





The Commonwealth of Massachusetts

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ANNUAL REPORT

OF THE

COMMISSIONER OF MENTAL DISEASES

FOR THE

YEAR ENDING NOVEMBER 30, 1923







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## COMMISSIONERS OF THE DEPARTMENT OF MENTAL DISEASES.

NOVEMBER 30, 1923

GEORGE M. KLINE, M.D., <i>Commissioner</i> . . . . .	BEVERLY.
JOHN B. TIVNAN, <i>Associate Commissioner</i> . . . . .	SALEM.
HENRY M. POLLOCK, M.D., <i>Associate Commissioner</i> . . . . .	BOSTON.
CHARLES G. DEWEY, M.D., <i>Associate Commissioner</i> . . . . .	BOSTON.
ELMER A. STEVENS, <i>Associate Commissioner</i> . . . . .	SOMERVILLE.

LOWELL F. WENTWORTH, M.D., *Assistant Commissioner.*

# **The Commonwealth of Massachusetts**

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## **REPORT OF THE MASSACHUSETTS DEPARTMENT OF MENTAL DISEASES.**

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### **DUTIES OF THE DEPARTMENT.**

The Department has general supervision of all public and private institutions for the insane, feeble-minded, epileptic, etc. It has the right of investigation and recommendation as to any matter relating to the classes under care. Each State Institution has, however, its own Board of Trustees appointed by the Governor and Council.

The direct powers of the Department concern the inter-relation of institutions and matters which are common to them all, such as the distribution and transfer of patients, deportations to other states and countries, claims to support as state charges in institutions, etc.

The Department inspects the institutions with reference to matters considered worthy of observation, and ascertains whether the laws relative to patients are properly observed.

The expenditure of money under special appropriations is under the control of the Department, which is required to prepare plans for new buildings and to select land to be taken for any new or existing institution.

The Department also analyzes all requests for maintenance appropriations.

The statutes relative to the powers and duties of the Department of Mental Diseases are to be found in Chapters 19 and 123, General Laws.

Mr. Elmer A. Stevens was reappointed an Associate Commissioner in 1923.

### **ACTIVITIES OF THE DEPARTMENT.**

The work of the Department has steadily increased in volume especially by the establishment of the new Divisions, such as Mental Hygiene and the Division for Feeble-Minded. The feeble-minded problem had grown to a point where a separate division was warranted. The work of the Division on Settlement and Support has continued heavy on account of the additional demand placed upon it by reason of the large number of veterans in our state institutions, by agreement with the Federal Government.

Attention is directed to the special report of the Director of the Division of Mental Hygiene, which Division has been in existence for a year. This marks a very great forward step on the part of the State in the field of preventive work.

### **FEEBLE-MINDED IN THE COMMUNITY.**

The Department has employed three additional trained psychiatric social service workers who have been assigned to the Division for Feeble-Minded in connection with the community supervision work. Their efforts have so far been directed to an investigation of problems connected with persons awaiting admission to the three schools for the feeble-minded, making adjustments whenever possible and in many cases rendering admission to the schools unnecessary. The State's program in the care of the feeble-minded is being developed along the line of community care, the Department furnishing such supervision as may be necessary.

## BELCHERTOWN STATE SCHOOL.

The Belchertown State School which cares for the Feeble-Minded in the Western part of the State, has been in operation a year and has at the present time 480 children under care. The program for Belchertown has been completed, and it is intended that the school will eventually care for two thousand children. Progress will be made as rapidly as appropriations are available.

## UNIFORM INSTITUTIONAL RECORDS.

Doctors Walter E. Fernald, James V. May, William A. Bryan, Ransom A. Greene and Ralph M. Chambers were appointed a Committee on Uniform Institutional Records in an endeavor to standardize, so far as possible, the records being used at the institutions under this Department.

The needs of the various institutions have been determined and most of the work in standardizing forms has been completed, the printing being done at the

## PRINTING PLANT

established by this Department at the Gardner State Colony. Work was begun in this plant the latter part of 1923. Modern equipment has been installed which, it is believed, will be sufficient to do most of the routine printing for the Department and the institutions. The Department has secured the services of Edward C. Cory, a man with years of experience in printing, who manages the plant, and the work is performed entirely by patients.

The equipment consists of two automatic presses and two presses that are fed by hand. These presses are of different sizes, making it possible to do all kinds of work. The plant is located temporarily in a part of the new laundry building at Gardner. This has been partitioned off with glass and wood to prevent moisture from the laundry damaging the paper and presses, but the partitions have been placed in such a way as not to interfere with the lighting. It is believed that before very long this plant will be sufficient to do all of the work of the Department and the institutions.

## SCHOOL CLINICS.

Chapter 277 of the Acts of 1919 authorized the School Committee of each city and town to ascertain, within one year after the passage of the Act, and annually thereafter (under regulations prescribed by the Board of Education and the Commissioner of the Department of Mental Diseases), the number of children three years or more retarded in mental development who are in attendance upon the public schools of its city or town or who are of school age and reside therein. The Act also provided that the School Committee of each city or town in which there are ten or more children three years or more so retarded shall establish special schools to give such children instruction adapted to their mental attainments, under regulations prescribed by the Board of Education.

In passing this act for the enumeration and instruction of children retarded in mental development, the State recognized an important educational need. The fundamental purposes of the law are: (1) To discover those children of school age who are so retarded in mental development that they can derive but little benefit from the regular academic work of the schools; and (2) to provide for them a practical type of training and supervision which will enable them, so far as possible, to become safe and self-supporting members of society.

In accordance with the provisions of the act the Department of Education and the Commissioner of the Department of Mental Diseases presented the following regulations and instructions for determining the number of children who should receive special training: —

"Only those pupils should be considered qualified for the special classes who have been examined by approved methods and properly qualified persons, and judged to be three years or more retarded in mental development.

The examination of suspected cases should be thoroughly done, and should include the following fields of inquiry: —

- (a) Physical examination.
- (b) Family history.
- (c) Personal and developmental history.
- (d) School progress.
- (e) Examination in school work.
- (f) Practical knowledge and general information.
- (g) Social history and reactions.
- (h) Economic efficiency.
- (i) Moral reactions.
- (j) Mental examinations.

In a definitely feeble-minded child evidence of the mental defect will be found in most or all of the ten fields. The evidence in no one field may be conclusive by itself, but the sum of the findings will be convincing for or against a diagnosis of mental deficiency.

All information secured in the examination should be regarded as confidential.

A card has been provided for summarizing the results of the examination of each pupil qualified for admission to a special class. This card is made out in duplicate and one copy forwarded to the Commissioner of the Department of Mental Diseases, State House, Boston.

As an important means of conducting these comprehensive examinations outlined herein there are mental clinics now in operation in various parts of the State to which children can be taken and there examined as to their mental development. It is intended that these clinics shall be freely used for the purpose of examining backward pupils, and in this work they will be found especially valuable to the smaller towns and rural communities.

It is suggested that one or all of the following methods be employed by school officials in selecting the pupils to be examined for admission to the special classes: —

1. Select by reference to individual school records those pupils who have repeated two or more grades.

2. Select those who, failing to earn promotion two or more years, have been allowed by the school officials to advance with their grades as being for their best interests.

3. Select those who by an age-grade table are shown to be retarded in their school work two or more years.

In several investigations involving large numbers of school children it has been found by competent authorities that hardly more than 1 per cent were mentally deficient and proper subjects for special instruction.

Care should be taken to exclude from the special classes those low-grade mental defectives who would be unable to profit by the instruction given, and who should properly be provided for in the home or in an institution.

Under normal conditions special classes established under this act should not include more than twenty-five pupils.

Instructions relative to the character of the work and methods to be employed in these special classes will be issued by the State Department of Education, as prescribed by law.

In accordance with the Act of 1919, the work of the traveling clinics was begun in 1920, the cities and towns of the state being divided into districts for the various hospitals and schools. Each state hospital and school has a clinic union for the cities and towns assigned to it.

The clinic group consists of a psychiatrist, psychologist, social worker and clerk.



The clinic group visits the different cities and towns in turn. About fifty pupils can be examined in a week.

There are on file, at the present time, 9,679 cards for persons who have been examined by the school clinics.

The school authorities in the various localities have shown the greatest interest in the work and have co-operated to the fullest extent.

### REGULATIONS.

The following regulations in connection with newly admitted patients to State Hospitals were approved:

Each patient admitted to a State Hospital shall be received by a physician and all patients admitted except those received in large transfers from another hospital, but including such as may be especially designated by the transfer agents, shall immediately be given a complete physical examination. A full and careful record of the examination shall be made, and the existence of any serious injury or critical illness shall be immediately reported to the Superintendent.

Patients returning to a hospital from escape or visit are also to be received by a physician and their condition carefully noted.

Special precautions must be taken with parietic cases, and other disturbed, confused patients who are liable to be injured because of their annoyance to and interference with others, or who might exhaust or injure themselves if not fully protected. Such patients must also be given close supervision at night and must not be allowed to wander about.

### VOLUNTARY PATIENTS.

The following regulations relating to voluntary patients were adopted:

I. No minor shall be received as a voluntary patient.

II. No person shall be admitted as a voluntary patient if he is committable as an insane person nor unless he is fully competent to understand the conditions of such admission and his rights in the matter of discharge, and would be able to convince a court of such competency.

A person so admitted shall be given a copy of his application, and should he give oral notice to a medical officer of the institution that he desires to leave, a written notice to that effect shall be prepared and offered him for signature.

III. Should the mental condition of a voluntary patient so change as to render him incompetent to understand his status or to necessitate forcible restraint or detention, steps must be taken at once for his commitment or discharge, and if the persons responsible for or representing him object to his commitment, the matter shall be reported by the superintendent to the Department, which will investigate the case and may take action as provided by Section 23, Chapter 123 General Laws.

IV. All voluntary patients now in the institutions are to be held subject to the conditions set forth in III of these regulations.

It is contrary to the intent of the voluntary statute that persons admitted under its provisions should remain permanent residents of institutions in that standing. It is therefore advised that the several superintendents carefully review their voluntary cases and either discharge or have committed those of long standing. And in general, it is deemed inadvisable to continue a patient in the voluntary status beyond the period of twelve months, nor should a voluntary patient be carried as a visitor for longer than 48 hours.

Voluntary cases now in the institutions falling outside these regulations or such cases seeking admission must be referred to this Department.

These regulations are not to be held as applying to the Monson State Hospital nor to the Schools for the Feeble-Minded.

## MISCELLANEOUS.

With the establishment of the Commission on Administration and Finance, one bureau of which deals with a central purchasing department, the purchasing as formerly supervised by this Department, which was collective purchasing by the institutions on specifications in which the institutions had a voice, has been taken over by the new purchasing bureau. The Comptroller's Bureau has installed a new system of accounting. These changes have necessarily occupied considerable time on the part of the Department and the institutions.

The Department requested Dr. James V. May, Superintendent of the Boston State Hospital, to serve as Chairman of a Committee of Superintendents to deal with the Standardization of Regulations in Connection with Fire Prevention at the institutions under the Department, the other members of the Committee being Dr. Harlan L. Paine and Dr. E. H. Cohoon.

It was voted that the institutions under the supervision of the Department of Mental Diseases be required to file with the Department their monthly analyses of maintenance expenses at the time the monthly schedules and bills are filed.

It was voted to do away with the Dry Pack; and its use in all institutions under the supervision of the Department of Mental Diseases was discountenanced and prohibited.

Mr. Fred A. Hewey, Transportation Officer of the Department since immediately after the organization of the State Board of Insanity in 1898, retired from the service of the Commonwealth on February 27, 1923, he having reached the age of seventy years. The Department expresses its appreciation of his long and faithful service.

## RECOMMENDATIONS FOR LEGISLATION.

1. *Relative to the Investigation by the Department of Mental Diseases of the Mental Condition of Certain Persons held for Trial.* — This amendment is desired so as to include all indictments for homicide, and to provide that the necessary information is to be furnished by the clerks of courts.

2. *Relative to determining the Jurisdiction of the Department of Mental Diseases and Correction respectively over Certain Feeble-minded Persons.* — This legislation is desired to give the Department the necessary authority to make selection of cases to come under its custody or supervision, and to correct certain defects in the Statute relating to discharge of certain defective delinquents.

3. *Relative to Commitment of Persons for Observation as to their Sanity.* — This legislation is desired to correct certain defects in the Statute.

4. *Changing the Time within which Actions relative to the Support of Insane Public Charges may be brought.* — To enable the Department to bring action for the support of public charges in Institutions for twelve years instead of six.

5. *Requiring the furnishing of Additional Information to the Department of Mental Diseases in Certain Probate Matters.* — To provide that the department shall be notified of bequests left in trust for the benefit of inmates of institutions.

## REVIEW OF THE YEAR.

ALL CLASSES UNDER CARE.<sup>1</sup>

The number and location of the classes actually in the institutions and in family care Oct. 1, 1923, were:—

LOCATION.	Insane.	Feeble-minded.	Epileptic (sane).	Voluntary (sane).	Temporary Care.	Inebriate.	Total.	Other Classes.
Worcester State Hospital . . . . .	2,139	-	-	1	9	-	2,149	-
Taunton State Hospital . . . . .	1,409	-	-	-	7	-	1,416	-
Northampton State Hospital . . . . .	1,085	-	-	-	4	-	1,089	-
Danvers State Hospital . . . . .	1,663	-	-	-	3	-	1,666	-
Westborough State Hospital . . . . .	1,325	-	-	7	5	-	1,337	-
Boston State Hospital . . . . .	2,109	-	-	-	5	-	2,114	-
Boston Psychopathic Hospital . . . . .	34	-	-	3	29	-	66	-
Grafton State Hospital . . . . .	1,465	-	-	-	-	-	1,465	-
Medfield State Hospital . . . . .	1,703	-	-	-	2	-	1,705	-
Gardner State Colony . . . . .	937	-	-	-	2	-	939	-
Monson State Hospital . . . . .	328	-	761	-	-	-	1,089	-
Foxborough State Hospital . . . . .	567	-	-	-	2	-	569	-
Mental Wards, State Infirmary . . . . .	712	-	-	-	-	-	712	-
Bridgewater State Hospital . . . . .	876	-	-	-	-	-	876	-
Family Care under Department . . . . .	27	-	-	-	-	-	27	-
Massachusetts School for the Feeble-minded at Waltham . . . . .	-	1,576	-	-	-	-	1,576	-
Wrentham State School . . . . .	-	1,235	-	-	-	-	1,235	-
Belchertown State School . . . . .	-	428	-	-	-	-	428	-
Hospital Cottages for Children <sup>2</sup> . . . . .	-	76	-	-	-	-	76	20
McLean Hospital . . . . .	211	-	-	1	2	-	214	-
Elm Hill Private School and Home for the Feeble-minded . . . . .	-	33	-	-	-	-	33	-
Twenty other Private Institutions . . . . .	133	35	-	19	2	28	217	43
Almshouses <sup>3</sup> . . . . .	-	147	-	-	-	-	147	-
Total under care <sup>4</sup> . . . . .	16,723	3,530	761	31	72	28	21,145	63
Viz.:								
Public care . . . . .	16,379	3,462	761	11	68	-	20,681	20
Institutions and family care under trustees . . . . .	16,352	3,315	761	11	68	-	20,507	20
Family care under Department . . . . .	27	-	-	-	-	-	27	-
Almshouses . . . . .	-	147	-	-	-	-	147	-
Private care . . . . .	344	68	-	20	4	28	464	43
McLean Hospital . . . . .	211	-	-	1	2	-	214	-
Twenty-one private institutions . . . . .	133	68	-	19	2	28	250	43

<sup>1</sup> See Tables Nos. 11 and 12 for whole number under care, inclusive of patients absent on visit or escape.

<sup>2</sup> Placed again under care of Department, April, 1918.

<sup>3</sup> Taken from reports of overseers of poor, March, 1923.

<sup>4</sup> Includes temporary-care cases.

## THE WHOLE NUMBER OF THE CLASSES

under care October 1, 1923, was 21,145, being 1 such person to every 189 of the estimated population of the State. Of this number 16,723 or 79.08 per cent, were insane; 3,530 or 16.69 per cent, feeble-minded; 761 or 3.60 per cent, epileptic (sane); 28, or .13 per cent, inebriate; 72, or .34 per cent, temporary-care cases, and 31, or .16 per cent, voluntary sane. There was an increase for the year of 551.

The whole number of such persons under public care was 20,681; under private care, 464.

The increase of such persons under public care for the year was 546; their average annual increase for the last five years, 379.

## THE INSANE

in institutions and family care October 1, 1923, numbered 16,723, being 1 insane person to every 239 of the estimated population of the State. In addition, there were 2,214 persons who were temporarily absent from institutions, and a considerable number of others in the community who had been previously discharged or had never appeared in institutions for the insane. The figures for insane are exclusive of temporary-care cases.

The insane appear under public care in public institutions and in family care, at public expense, and under private care in private institutions. Their number and increase in these locations for the year, the last five years, the last ten years and the last twenty-five years are shown as follows:

	NUMBER, OCTOBER 1, 1923.			INCREASE OVER PREVIOUS YEARS.					Average Increase, Five Years.	Average Increase, Ten Years.	Average Increase, Twenty-five Years.
	Males.	Females.	Totals.	1923.	1922.	1921.	1920.	1919.			
Public Institutions <sup>1</sup> . . . . .	7,926	8,426	16,352	225	356	642	171	74 <sup>2</sup>	264.	326.9	390.
Family care under Department . . . . .	-	27	27	2 <sup>2</sup>	2 <sup>2</sup>	3 <sup>2</sup>	4 <sup>2</sup>	6 <sup>2</sup>	3.4 <sup>2</sup>	30.9 <sup>2</sup>	3.4 <sup>2</sup>
Total, public . . . . .	7,926	8,453	16,379	223	354	639	167	80 <sup>2</sup>	260.6	296.0	386.6
Private institutions . . . . .	101	243	344	12 <sup>2</sup>	2 <sup>2</sup>	3	12	5 <sup>2</sup>	.8 <sup>2</sup>	.3 <sup>2</sup>	4.24
Total, public and private . . . . .	8,027	8,696	16,723	211	352	642	179	85 <sup>2</sup>	259.8	295.7	390.84

<sup>1</sup> Includes 141 patients in family care by Trustees.

<sup>2</sup> Decrease.

### THE INCREASE OF THE INSANE

under care for the year was 211, compared with an increase of 352 the previous year; 259, the average annual increase for the last five years; 295, the last ten years, and 390, the last twenty-five years.

The number of non-resident insane was 80, compared with 72 the previous year.

It is the policy of the State not to receive into its institutions non-residents, even as private patients, unless their friends are resident in Massachusetts and have just claims for such service.

### THE INCREASE OF THE INSANE UNDER PUBLIC CARE

was 223, compared with an increase of 354 the previous year; 260, the average annual increase for the last five years; 296 the last ten years; and 386 the last twenty-five years.

### THE INSANE UNDER PRIVATE CARE

decreased 12, compared with an average annual decrease for the last five years of .8; the last ten years, .3; and an increase of 4 for the last twenty-five years.

### FAMILY CARE UNDER THE DEPARTMENT.

There was a decrease of 2 in the number under care. The number in family care under institutions on October 1, 1923, was 141, a decrease of 29.

The number under family care has not increased because of the advance in the cost of living and the small rate of board paid. The Legislature has, however, authorized an increase in the rate of board of such patients from \$3.75 to \$4.50 and it is hoped that the number of patients placed in family care will again show an increase.



## FIRST CASES OF INSANITY

appeared in public institutions and McLean Hospital to the number of 2,836. Of all the admissions of the insane to these institutions (inclusive of insane voluntary), 78.21 per cent appeared for the first time in any institution for the insane, compared with 79.05 per cent the previous year. One insane person came under care for the first time from every 1,411 of the population of the State.

## THE NATIVITY

of such first cases of insanity does not differ materially from the percentages of the previous year. Exclusive of 8 whose birthplaces were unknown, 1,582, or 55.94 per cent, were born in the United States, compared with 57.49 per cent the previous year, and 1,246, or 44.06 per cent, in foreign countries, compared with 42.51 per cent the previous year.

## THE PARENTAGE

also corresponds substantially with the percentages of previous years. Exclusive of 142 whose birthplaces were unknown, 648, or 30.86 per cent, of the parents of male patients were born in the United States compared with 28.69 per cent the previous year, and 1,452, or 69.14 per cent, in foreign countries, compared with 71.31 per cent the previous year.

Exclusive of 163 whose birthplaces were unknown, 651, or 33.99 per cent, of the parents of female patients were born in the United States, compared with 32.79 per cent the previous year and 1,264, or 66.01 per cent, in foreign countries, compared with 67.21 per cent the previous year.

## CITIZENSHIP.

Of the 2,836 first admissions as insane, 1,581, or 55.75 per cent, were citizens by birth, compared with 57.42 per cent the previous year, and 388, or 13.68 per cent, by naturalization, compared with 15.29 per cent the previous year. There were 652 aliens, or 22.99 per cent, compared with 22.82 per cent the previous year, and 215, or 7.58 per cent, where the citizenship was unascertained, compared with 4.48 per cent the previous year.

## PSYCHOSES OF FIRST ADMISSIONS

were as follows:

PSYCHOSES.	1923.		Average Previous Year
	Cases.	Per Cent.	
Traumatic . . . . .	10	.35	.36
Senile . . . . .	272	9.59	9.24
With cerebral arteriosclerosis . . . . .	332	11.71	9.33
General paralysis . . . . .	239	8.43	7.18
With cerebral syphilis . . . . .	21	.74	.57
With Huntington's chorea . . . . .	3	.11	.24
With brain tumor . . . . .	3	.11	.18
With other brain or nervous diseases . . . . .	46	1.62	1.25
Alcoholic . . . . .	222	7.83	6.41
Due to drugs or other exogenous toxins . . . . .	15	.54	.36
With pellagra . . . . .	2	.07	.12
With other somatic diseases . . . . .	105	3.70	2.56
Manic depressive . . . . .	314	11.07	9.89
Involution melancholia . . . . .	74	2.61	2.80
Dementia præcox . . . . .	618	21.79	23.18
Paranoia and paranoiac conditions . . . . .	72	2.54	2.53
Epileptic psychoses . . . . .	61	2.15	3.40
Psychoneuroses and neuroses . . . . .	36	1.26	3.25
With constitutional psychopathic inferiority . . . . .	36	1.26	.59
With mental deficiency . . . . .	73	2.57	3.87
Undiagnosed . . . . .	195	6.88	6.82
Not insane . . . . .	87	3.07	5.87

The following 6 forms of psychoses — namely, senile, 9.59 per cent; with cerebral arteriosclerosis, 11.71 per cent; general paralysis, 8.43 per cent; alcoholic, 7.83 per cent; manic-depressive, 11.07 per cent; dementia præcox, 21.79 per cent — furnished 70.42 per cent of first admissions, compared with 65.23 per cent the previous year.

### RACE.

The races named below furnished the greatest number of first admissions.

RACE.	1923.		Average Previous Year.
	Cases.	Per Cent.	
English . . . . .	520	18.33	19.60
Irish . . . . .	677	23.87	23.69
Slavonic . . . . .	122	4.30	4.70
French . . . . .	201	7.08	6.67
German . . . . .	55	1.93	2.29
Italian . . . . .	134	4.72	4.97
Scotch . . . . .	61	2.15	1.96
Scandinavian . . . . .	61	2.15	2.38
Mixed . . . . .	500	17.63	12.69
Hebrew . . . . .	90	3.17	3.60
African, black . . . . .	77	2.71	2.02

### AGES.

YEARS.	1923.		Average Previous Year.
	Cases.	Per Cent.	
Under 20 . . . . .	142	5.00	7.54
From 20 to 25 . . . . .	230	8.11	8.64
From 25 to 30 . . . . .	250	8.81	10.67
From 30 to 35 . . . . .	276	9.73	10.16
From 35 to 40 . . . . .	308	10.86	10.46
From 40 to 45 . . . . .	256	9.03	8.31
From 45 to 50 . . . . .	245	8.64	7.72
From 50 to 55 . . . . .	212	7.48	7.72
From 55 to 60 . . . . .	175	6.17	5.90
From 60 to 65 . . . . .	170	6.00	5.60
From 65 to 70 . . . . .	160	5.64	5.12
Over 70 . . . . .	410	14.46	12.02
Unknown . . . . .	2	.07	.14

### DEGREE OF EDUCATION.

	1923.		Average Previous Year.
	Cases.	Per Cent.	
Illiterate . . . . .	249	8.78	9.42
Could read and write . . . . .	442	15.59	16.00
Attended common school . . . . .	1,552	54.72	52.56
High school education . . . . .	335	11.81	13.65
Attended college . . . . .	89	3.14	2.20
Education unascertained . . . . .	169	5.96	6.17

### ENVIRONMENT.

The urban districts furnished 2,557, or 90.16 per cent, of the first admissions, compared with 90.58 per cent the previous year; rural localities, 265, or 9.35 per cent, compared with 8.82 per cent the previous year; and there were 14 or .49 per cent, whose place of residence was unknown, compared with .60 per cent the previous year.

## THE ECONOMIC CONDITIONS

of these admissions are shown as follows:

	1923.		Average Previous Year.
	Cases.	Per Cent.	
Dependent . . . . .	495	17.46	15.38
Marginal . . . . .	1,713	60.40	60.37
Comfortable . . . . .	512	18.05	20.41
Unascertained . . . . .	116	4.09	3.84

The admissions under Alcoholic Psychoses number 222, or 7.83 per cent of first admissions as insane. This is an increase of 1.42 per cent over the previous year. Since 1920, there has been an increase of 4.21 per cent. The Hospital reporting the largest number of Alcoholic Psychoses was the Danvers State Hospital.

The admissions classed as Intemperate under the table "Use of Alcohol" were 15.83 per cent of first admissions compared with 14.33 per cent the previous year, an increase of 1.50 per cent. In 1920, 10.57 per cent were reported. It thus appears that there has been an increase of 5.26 per cent in Alcoholic Intemperance since 1920.

## USE OF ALCOHOL.

	1923.		Average Previous Year.
	Cases.	Per Cent.	
Abstinent . . . . .	1,354	47.74	55.48
Temperate . . . . .	814	28.70	23.57
Intemperate . . . . .	448	15.80	14.33
Unascertained . . . . .	220	7.76	6.62

## MARITAL CONDITION.

It appears that 1,138, or 40.13 per cent, were single at the time of admission compared with 43.08 per cent the previous year; 1,143, or 40.30 per cent married, compared with 40.11 per cent the previous year; 462, or 16.29 per cent widowed; compared with 14.45 per cent the previous year; 19, or .67 per cent separated, compared with .57 per cent the previous year; 54 or 1.90 per cent divorced, compared with 1.34 per cent the previous year; and there were 20, or .71 per cent, whose marital condition was unknown, compared with .45 per cent the previous year.

## ALL DISCHARGES.

## THE RESULTS OF MENTAL DISEASES

at public institutions and McLean Hospital are shown in the conditions of patients on discharge.

	1923.		Average Previous Year.
	Cases.	Per Cent.	
Recovered . . . . .	292	15.36	13.29
Improved . . . . .	1,110	58.36	48.97
Not improved . . . . .	376	19.76	28.51
Not insane at time of discharge . . . . .	124	6.52	9.23

## THE RECOVERY RATE

for the whole State numbered 339, or 8.81 per cent of all admissions of the insane.

The percentages of recoveries under public care and at McLean Hospital (inclusive of insane voluntary) were:

	1923 (Per Cent).	Average Previous Year.
Of admissions	8.05	6.85
Of daily average number in institutions . . . . .	1.80	1.82

## DEATHS.

The death rate of the insane for the whole State during the year was 9.05 per cent of the daily average number in the institutions, compared with 9.10 per cent the previous year. The percentages of deaths in public institutions and McLean Hospital were:—

	1923 (Per Cent).	Average Previous Year.
Of daily average number in institutions . . . . .	9.00	9.00
Of discharges (inclusive of deaths) . . . . .	43.42	39.68

Cerebral arteriosclerosis was present in 18.49 per cent; general paralysis in 16.57 per cent; manic-depressive in 6.50 per cent; dementia præcox in 18.97 per cent; epilepsy in 4.24 per cent; alcoholic psychosis in 4.17 per cent; senile psychosis in 16.77 per cent.

These seven forms were present in 85.71 per cent of the deaths, compared with 85.37 per cent the previous year.

## THE AGE OF PATIENTS

at the time of death was as follows:

YEARS.	1923 (Per Cent).	Average Previous Year.
Under 20 . . . . .	.89	.55
20 to 25 . . . . .	1.51	1.60
25 to 30 . . . . .	2.81	3.40
30 to 35 . . . . .	4.38	4.24
35 to 40 . . . . .	5.27	5.56
40 to 45 . . . . .	8.08	7.01
45 to 50 . . . . .	8.76	7.57
50 to 55 . . . . .	7.74	7.85
55 to 60 . . . . .	10.14	8.68
60 to 65 . . . . .	9.73	9.72
65 to 70 . . . . .	10.35	11.53
70 and over . . . . .	30.34	32.29

## THE DURATION OF HOSPITAL LIFE

of patients who died was as follows:

DURATION.	1923 (Per Cent).	Average Previous Year.
Less than 1 month . . . . .	15.55	16.39
1 to 3 months . . . . .	13.01	13.26
4 to 7 months . . . . .	10.27	9.38
8 to 12 months . . . . .	6.10	6.67
1 to 2 years . . . . .	17.19	16.04
3 to 4 years . . . . .	9.59	10.14
5 to 10 years . . . . .	12.67	11.67
10 to 15 years . . . . .	4.93	5.83
15 to 20 years . . . . .	4.18	3.19
20 years and over . . . . .	6.51	7.29
Unknown . . . . .	-	.14

Further statistical details on which the foregoing statements and conclusions are based will be found in the Appendix, beginning with Table No. 11.

## THE FEEBLE-MINDED.

## THE WHOLE NUMBER OF THE FEEBLE-MINDED

actually in the institutions and in almshouses October 1, 1923 was 3,530, being 1 feeble-minded person to every 1,133 of the estimated population of the State.

The feeble-minded appear under public care in public institutions and almshouses, and under private care in private institutions. Their number and increase in these locations for the year and the last five years are shown as follows:

	NUMBER OCT. 1, 1923.			INCREASE OVER PREVIOUS YEARS.					Average Increase, Five Years.
	Males.	Females.	Totals.	1923.	1922.	1921.	1920.	1919.	
School for the Feeble-minded at Waltham . . . . .	929	647	1,576	29 <sup>1</sup>	9 <sup>1</sup>	16	65	18 <sup>1</sup>	5.0
Wrentham School . . . . .	440	795	1,235	9 <sup>1</sup>	83 <sup>1</sup>	105	16	6 <sup>1</sup>	4.6
Belchertown School . . . . .	223	205	428	428	-	-	-	-	85.6
Hospital Cottages for Children <sup>2</sup> . . . . .	44	32	76	2	6 <sup>1</sup>	5 <sup>1</sup>	10	1	.4
Almshouses . . . . .	77	70	147	56 <sup>1</sup>	115 <sup>1</sup>	91	3	35	8.4 <sup>1</sup>
Total, public . . . . .	1,713	1,749	3,462	336	213 <sup>1</sup>	207	94	12	87.2
Elm Hill . . . . .	24	9	33	-	3 <sup>1</sup>	2 <sup>1</sup>	3 <sup>1</sup>	1 <sup>1</sup>	1.8 <sup>1</sup>
Smaller private institutions . . . . .	10	25	35	10	4	14 <sup>1</sup>	8 <sup>1</sup>	5 <sup>1</sup>	2.6 <sup>1</sup>
Total, public and private . . . . .	1,747	1,783	3,530	346	212 <sup>1</sup>	191	83	6	82.8 <sup>1</sup>

<sup>1</sup> Decrease.

<sup>2</sup> Placed again under care of Department, April, 1918.

## THE INCREASE OF THE FEEBLE-MINDED

under care for the year was 346, compared with a decrease of 212 the previous year, and 82, the average increase for the last five years.

The number of non-resident feeble-minded was 27, compared with 26 the previous year. Of these 25 were patients in private institutions, and 2 were private patients in State institutions.



It is the policy of the State to receive feeble-minded persons from other States only when there is no school for the feeble-minded in such States, and then only in urgent cases. The non-resident patients are paid for at a rate which fully compensates the State for the cost of their maintenance.

## THE EPILEPTIC.

### THE WHOLE NUMBER OF THE EPILEPTIC

under care October 1, 1923 was 1,551, being 1 epileptic to every 2,580 of the estimated population of the State.

The epileptic appear under public care in the Monson State Hospital, the State hospitals and other public institutions, and under private care in private institutions. Details will be found under the Monson State Hospital.

Their number and increase in these locations for the year and for the last five years are shown as follows:

	NUMBER OCT. 1, 1923.			INCREASE OVER PREVIOUS YEARS.					Average Increase Five Years.
	Males.	Females.	Totals.	1923.	1922.	1921.	1920.	1919.	
Monson Hospital . . . . .	528	561	1,089	24 <sup>1</sup>	77	76	38	32 <sup>1</sup>	27
Public institutions for insane . . . . .	222	192	414	30 <sup>1</sup>	41	27	8 <sup>1</sup>	59 <sup>1</sup>	5.8 <sup>1</sup>
Schools for the Feeble-minded . . . . .	2	3	5	3 <sup>1</sup>	-	-	5 <sup>1</sup>	-	1.6 <sup>1</sup>
Hospital Cottages . . . . .	16	4	30	7 <sup>1</sup>	13 <sup>1</sup>	10 <sup>1</sup>	8	5 <sup>1</sup>	5.4 <sup>1</sup>
Total, public . . . . .	768	760	1,528	64 <sup>1</sup>	105	93	33	96 <sup>1</sup>	14.2
Private institutions . . . . .	7	6	13	2	2 <sup>1</sup>	4 <sup>1</sup>	10	3 <sup>1</sup>	.6
Total, public and private . . . . .	775	766	1,551	62 <sup>1</sup>	103	89	43	99 <sup>1</sup>	14.8

<sup>1</sup> Decrease.

### THE DECREASE OF THE EPILEPTIC

under care for the year was 62, compared with an increase of 103 the previous year, and 14 the average increase for the last five years.

## REPORT OF THE PATHOLOGIST.

*To the Commissioner of the Department of Mental Diseases:*

This is the fifteenth report of the Pathologist and the fourteenth to cover a full year's work.

### I. GENERAL

The status of the laboratory work in the State Hospitals in Massachusetts for 1922-23 might be said to have progressed in hospitals where Pathologists are employed. It takes the energy and personal interest of a resident to keep up the pressure in any special line and certainly a lack is clearly seen in the absence of a pathologist in the scattering of equipment and the difficulty of its assemblage in an emergency: moreover, the staff officers feel neither acquainted with its whereabouts, nor responsible for its condition. Whether we believe in elaborate organization or not, we are somehow pleased at the evidences of it when its presence conduces to speedier attack on a problem and unconsciously we are troubled when we find nothing in readiness where no nucleus of laboratory work is established. The over functionalized staffs become more dependent on external signs for development of changed physical states in their patients and somewhat handicapped in medical judgments, if there is no one to appeal to for even simple clinico-pathological tests.

There have been new plans and changes in the hospitals where the pathologists are. Dr. Charles A. Whitecomb has left for eight months' work in general medicine in Philadelphia in order to be ready for the directorate of the medical work in the Worcester State Hospital. It is expected that with two assistants he will take entire responsibility for the physical state of the patients, examinations, X-ray pictures, laboratory reports, special examinations and medical treatment of all types of physical disease. Worcester then will stress the medical attention on the psychiatric cases.

The Taunton laboratory through the efforts of Dr. F. D. Parker during his residence from February to June inclusive, restored the laboratory to a working shop by a thorough overhaul of its furniture, walls and fittings and put all in order except the icing for the bodies, which can of course, be together with the drains, entirely renewed. Dr. W. C. Baines arriving in October, succeeded to these and many other problems, which he left shortly to others.

Dr. William Malamud, after seven months in the laboratory at Foxborough, during which time he added much to the interest of staff meetings by injecting his points of view of patients from a wealth of philosophical thinking which he had previously done, had an opportunity to take a year at Mt. Sinai in New York as neurological resident. This he thinks will more intelligently fit him for a combined attack on psychiatry from a neurological point of view as his previous training had developed an appreciation of the psychological angle, and he believes Massachusetts is his home.

Dr. William Cluney, previously of Chicago and more recently in a general hospital laboratory in South Dakota, came to Medfield in March, keen on clinical pathology. It would take a special neuropathological training to at first appreciate the wealth of material at hand in Medfield. When patients have been in a hospital from 4-40 years, the problem of gliosis must be ready for elucidation.

Dr. Lydia B. Pierce at Westborough continues her interest in blood chemistry and clinical pathology with a query in her mind about diet in relation to mental diseases. As it must needs happen, she has been most handicapped by being without a technician for more than 6 months, which has cut down activities to a minimum since it has left the daily work for her to pursue alone, added to the responsibility of concrete jobs for summer internes.

At Danvers a corps of eager undergraduate students has assisted in the work at that station during the summer, and with the plan of each psychiatrist rotating in the laboratory for a month at a time to get a laboratory point of view, Dr. Kelly has had much teaching. His paper entitled "Acidophile Degeneration in Dementia Praecox" read at the Detroit meeting caused much favorable comment and should encourage him to major on the problem.

The habit of monthly meetings of the pathologists suggested by Dr. O. F. Kelly, at the Department's Laboratory, 74 Fenwood Road, has been continued during the year and experience meetings they have been, where cases and specimens and problems have been discussed. Dr. Malamud presented the group with translated chapters of W. Spielmeyer's "Histopathology of the Nervous System."

## II. ROUTINE OF THE PATHOLOGICAL SERVICE: AUTOPSIES.

Since the establishment of the Pathological Service July 1, 1914, to Nov. 30, 1923, there have been 1,788 autopsies. These have been typed and bound up to Nov. 30, 1922, leaving only 130 in the files.

During the year ending Nov. 30, 1923 there have been 125 autopsies; last year there were 121.

The following table shows the number of autopsies performed in the different institutions by the pathological service of the Department (and exclusive of autopsies performed by the staffs of the institutions).

Boston Hospital . . . . .	63	Belchertown School . . . . .	1
Boston Psychopathic Hospital . . . . .	16	Gardner Colony . . . . .	1
Foxborough Hospital . . . . .	9	Monson Hospital . . . . .	1
Westborough Hospital . . . . .	9	Grafton Hospital . . . . .	1
Medfield Hospital . . . . .	7	Wrentham School . . . . .	1
Massachusetts School for Feeble-minded . . . . .	7	Miscellaneous . . . . .	2
Taunton Hospital . . . . .	4		
Danvers Hospital . . . . .	3	Total . . . . .	125

Table showing Proportion of Autopsies to Deaths in Institutions.

	Total Number of Deaths for Year.	Total Number of Autopsies.	Per Cent.
Medfield Hospital . . . . .	82	36 (7 <sup>1</sup> )	44
Boston Psychopathic Hospital . . . . .	37	16 <sup>1</sup>	43
Foxborough Hospital . . . . .	50	19 (9 <sup>1</sup> )	38
Westborough Hospital . . . . .	136	43 (9 <sup>1</sup> )	32
Taunton Hospital . . . . .	168	53 (4 <sup>1</sup> )	31
Danvers Hospital . . . . .	235	72	31
Boston Hospital . . . . .	249	66 (63 <sup>1</sup> )	27
Worcester Hospital . . . . .	208	47	23
Massachusetts School for the Feeble-minded . . . . .	23	7 (7 <sup>1</sup> )	22
Gardner Colony . . . . .	32	2 <sup>1</sup>	10
Belchertown School . . . . .	11	2	18
Grafton Hospital . . . . .	42	7 (1 <sup>1</sup> )	17
State Infirmary, Mental Wards . . . . .	49	3	6
Wrentham School . . . . .	22	1 <sup>1</sup>	4
Monson Hospital . . . . .	81	1 <sup>1</sup>	1
Miscellaneous . . . . .	-	2	-
Total number of deaths in State Hospitals in Massachusetts in 1923, fiscal year . . . . .			1,556
Total number of autopsies performed (24%) . . . . .			377
(a) By laboratories independent of Department . . . . .			252
(b) By department . . . . .			125

<sup>1</sup> Done by Department.

The following table gives data concerning sudden deaths reported to the Department:

Sudden deaths reported to Department . . . . .	122	Epilepsy and asphyxia . . . . .	3
Number autopsied . . . . .	43	Fractures . . . . .	1
Number autopsied by service . . . . .	24	General paresis or tabes . . . . .	3
		Homicides . . . . .	1
Acute infections . . . . .	16	Miscellaneous and unknown . . . . .	1
Arteriosclerosis or coronary . . . . .	3	Organic heart disease . . . . .	4
Burn . . . . .	1	Suicides . . . . .	1
Carcinoma . . . . .	1	Tuberculosis . . . . .	1
Cerebral hemorrhage . . . . .	1	Frost bite . . . . .	1
Complicated by fractures . . . . .	2	Ruptured aneurysm . . . . .	1
Choked by food . . . . .	1	Pulmonary edema . . . . .	1
Exposure and exhaustion . . . . .	1	Violence . . . . .	1
		Drugs . . . . .	1

The sudden deaths in the State Hospitals in ten years are herewith presented (either autopsied or non-autopsied):—

1914 . . . . .	69	1919 . . . . .	77
1915 . . . . .	85	1920 . . . . .	84
1916 . . . . .	74	1921 . . . . .	87
1917 . . . . .	83	1922 . . . . .	89
1918 . . . . .	117	1923 . . . . .	122

a total of 887, of which there have been 442 autopsied or 49.8%.

### Analysis of Autopsied Sudden Death Cases.

In the years 1913 to 1923 inclusive, there have been 442 autopsied cases. It is hereby emphasized in the above chart that the acute infections, 107, or 24 per cent of the total, are an important factor in the sudden deaths of our hospital population asking for more attention to the physical status of the patient and more detailed study of the cases from this angle. It is well known that the unco-operative patients are a trial to examine and it is understood that they do not as readily call attention to their somatic distresses if they register as such, but it seems hardly possible that there could not be discovered an infection which is severe enough to cause death, if facilities were at the command of the staff for accurate observation.



The other items of heart lesions, 87, foreign bodies in the larynx, 24, death during epileptic convulsion, 22, the mysterious general paralytic death, 28, the suicides, 27, tuberculosis, 23, and homicides, 17, and results from fractures, 16, and cerebral hemorrhages, 13, are the other items of lesser numbers. Those which are inevitable must be apparent on the face of them; others will lessen as vigilance increases.

*Analysis, Autopsied Cases (Sudden Deaths).*

	1913-14.	1914-15.	1915-16.	1916-17.	1917-18.	1918-19.	1919-20.	1920-21.	1921-22.	1922-23.	Totals.
Heart lesions . . . . .	4	9	13	13	16	5	8	4	11 (1 <sup>1</sup> )	4	87
Acute infections . . . . .	11	13	8	4	9	7	14	11	14 (4 <sup>1</sup> )	16 (5 <sup>1</sup> )	107
Foreign bodies in larynx . . . . .	3	2	7	2	2	-	5	1	1	1	24
Uremia . . . . .	-	-	-	-	-	-	-	-	1	-	1
Epilepsy . . . . .	1	6	-	5	4	-	-	1	2	3 (1 <sup>1</sup> )	22
General paresis . . . . .	3	1	2	6	1	3	5	-	4 (1 <sup>1</sup> )	3 (1 <sup>1</sup> )	28
Homicides . . . . .	3	3	3	1	2	-	2	1	1	1	17
Suicides . . . . .	3	3	1	3	3	5	5	-	3	1	27
Tuberculosis . . . . .	1	2	2	3	2	3	5	1	3	1	23
Fractures . . . . .	1	3	1	1	2	7 <sup>1</sup>	2	7 (6 <sup>1</sup> )	4	1	16
Cerebral hemorrhages . . . . .	-	-	5	-	1	-	2	2	2 (1 <sup>1</sup> )	1	13
Thrombosis . . . . .	2	-	-	2	-	-	-	-	-	-	4
After tube feeding . . . . .	1	-	1	1	-	1	-	-	-	-	4
Burns . . . . .	1	1	-	-	-	1	1	-	-	1	5
Hemorrhage . . . . .	1	-	1	-	2	-	-	1	-	-	5
Brain tumor . . . . .	-	-	2	-	-	2	-	-	-	-	4
Asphyxia . . . . .	-	1	-	-	-	-	2	-	-	-	4
Katatonie "Hirntod" . . . . .	-	-	1	1	-	-	-	-	-	-	2
Acute mania . . . . .	1	-	-	1	-	-	-	-	-	-	2
Collapse after bath . . . . .	-	1	-	-	-	-	-	-	-	-	1
Salvarsan . . . . .	-	-	-	-	-	2	-	-	-	-	2
Fall . . . . .	1	-	-	-	-	-	-	-	-	-	1
Edema of brain . . . . .	1	-	-	-	-	-	-	-	-	-	1
Arteriosclerosis . . . . .	1	-	-	-	-	1	1	-	-	3 (2 <sup>1</sup> )	6
Ruptured bladder . . . . .	-	-	1	-	-	-	-	-	-	-	1
Carcinoma . . . . .	-	-	1	-	2	1	1	-	-	1 <sup>1</sup>	6
Drowned . . . . .	-	-	-	1	-	-	-	-	1	-	2
Pernicious anemia . . . . .	-	-	-	-	1	-	-	-	-	-	1
Acute gastritis . . . . .	-	-	-	-	1	-	-	-	-	-	1
Edema glottis . . . . .	-	-	-	-	1	-	-	-	1	-	2
Ruptured spleen . . . . .	-	-	-	-	1	-	-	-	-	-	1
Ruptured heart . . . . .	-	-	-	-	1	-	-	2	-	1	4
Alcohol . . . . .	-	-	-	-	-	1	-	-	-	-	1
Thymic death . . . . .	-	-	-	-	-	-	-	-	2	-	2
Miscellaneous . . . . .	-	-	-	-	-	1	7	1	-	6	15
Totals . . . . .	39	45	49	43	51	33	60	26	50	44	442

<sup>1</sup> Fracture complicated death.

*Suicides in State Hospitals.*

1914 . . . . .	9	1919 . . . . .	13
1915 . . . . .	6	1920 . . . . .	13
1916 . . . . .	9	1921 . . . . .	12
1917 . . . . .	12	1922 . . . . .	10
1918 . . . . .	18	1923 . . . . .	14

*Analysis of Suicides (Autopsied and Non-autopsied).*

	1913-14.		1914-15.		1915-16.		1916-17.		1917-18.		1918-19.		1919-20.		1920-21.		1921-22.		1922-23.	
	Males.	Females.	Males.	Females.	Males.	Females.	Males.	Females.	Males.	Females.	Males.	Females.	Males.	Females.	Males.	Females.	Males.	Females.	Males.	Females.
Dementia præcox . . . . .	1	2	1	2	3	1	2	4	3	4	1	3	6	3	2	1	2	1	3	5
Manic depressive . . . . .	1	2	2	1	3	1	2	4	3	3	1	2	2	1	4	1	2	1	3	1
General paresis . . . . .	1	1	1	1	1	1	1	1	1	1	1	1	2	1	1	1	1	1	1	1
Epilepsy . . . . .	3	3	1	1	1	1	1	1	1	2	1	1	1	1	1	1	3	1	1	1
Diagnosis unknown <sup>1</sup> . . . . .	3	3	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
Imbecile . . . . .	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
Psychosis with arteriosclerosis . . . . .	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
Alcoholic psychosis . . . . .	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
Constitutional psychopathic inferiority . . . . .	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
Neurasthenia . . . . .	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
Totals . . . . .	4	5	3	3	8	1	6	6	11	7	7	6	8	5	10	2	7	3	8	6

Diagnoses in suicides in State Hospitals.

<sup>1</sup> Death before a definite mental diagnosis was determined.

Analysis of 106 Suicides.

Protestant:									Catholic — Con.								
American	.	.	.	.	.	.	.	29	Irish-American	.	.	.	.	.	.	.	1
English	.	.	.	.	.	.	.	11	Canadian	.	.	.	.	.	.	.	1
Mixed race	.	.	.	.	.	.	.	4	Lithuanian	.	.	.	.	.	.	.	1
Canadian	.	.	.	.	.	.	.	2	Mixed race	.	.	.	.	.	.	.	1
Armenian	.	.	.	.	.	.	.	1	Unknown	.	.	.	.	.	.	.	1
Danish	.	.	.	.	.	.	.	1									
German	.	.	.	.	.	.	.	1	Turkish Mohammedan	.	.	.	.	.	.	.	1
Irish	.	.	.	.	.	.	.	1									
Swedish	.	.	.	.	.	.	.	1	Russian Hebrew	.	.	.	.	.	.	.	1
Scotch	.	.	.	.	.	.	.	1									
Catholic:									Religion unknown:								
Irish	.	.	.	.	.	.	.	19	American	.	.	.	.	.	.	.	1
Italian	.	.	.	.	.	.	.	4	English	.	.	.	.	.	.	.	1
French	.	.	.	.	.	.	.	3	Armenian	.	.	.	.	.	.	.	1
Russian	.	.	.	.	.	.	.	2	German	.	.	.	.	.	.	.	1
Polish	.	.	.	.	.	.	.	2	Russian	.	.	.	.	.	.	.	1
English	.	.	.	.	.	.	.	2	Scotch	.	.	.	.	.	.	.	1
American	.	.	.	.	.	.	.	2	Nationality and religion unknown	.	.	.	.	.	.	.	5

Sex, male 62, female 44, the average age of the male being 43.4 and that of the female 42.5. Following are the decades in which these suicides fall:

	11-20.	21-30.	31-40.	41-50.	51-60.	61-70.	71-80.
Male . . . . .	1	12	10	16	19	4	-
Female . . . . .	1	6	18	7	10	1	1

It is seen by a glance which months are most productive of the suicides in our hospitals.

December . . . . .	13	March . . . . .	8
July . . . . .	13	May . . . . .	8
April . . . . .	12	January . . . . .	7
June . . . . .	12	September . . . . .	6
October . . . . .	11	August . . . . .	4
November . . . . .	9	February . . . . .	3

III. CASUALTIES IN STATE HOSPITALS.

1914 . . . . .	346	1919 . . . . .	208
1915 . . . . .	320	1920 . . . . .	240
1916 . . . . .	304	1921 . . . . .	257
1917 . . . . .	237	1922 . . . . .	258
1918 . . . . .	221	1923 . . . . .	292

## CASUALTY TABLE A.

*Casualties arranged by Institutions.*

	Males.	Females.	Total Number of Patients.	Total Number of Accidents.	Total Number of Injuries.
Taunton Hospital . . . . .	25	18	43	45 <sup>1, 2</sup>	52
Worcester Hospital . . . . .	17	17	34	36 <sup>3</sup>	44
Danvers Hospital . . . . .	19	14	33	35 <sup>3, 2</sup>	47
Medfield Hospital . . . . .	20	9	29	29	34
Grafton Hospital . . . . .	6	19	25	25	31
Boston Hospital . . . . .	10	14	24	24	27
Westborough Hospital . . . . .	5	14	19	19	22
Monson Hospital . . . . .	7	9	16	16	18
Massachusetts School for the Feeble-minded . . . . .	9	3	12	12	15
Wrentham School . . . . .	4	5	9	9	12
Gardner Colony . . . . .	9	—	9	9	11
Foxborough Hospital . . . . .	—	6	6	6	6
Mental Wards State Infirmary . . . . .	3	3	6	6	6
McLean Hospital . . . . .	1	3	4	4	5
Boston Psychopathic Hospital . . . . .	2	2	4	4 <sup>4</sup>	5
Belchertown School . . . . .	3	1	4	4	4
Northampton Hospital . . . . .	2	1	3	3	3
Ring Sanatorium and Hospital, Inc. . . . .	1	2	3	3	5
Hospital Cottages for Children . . . . .	—	1	1	2 <sup>5</sup>	2
Wiswall Sanatorium . . . . .	—	1	1	1	1
Totals . . . . .	143	142	285	292	350

<sup>1</sup> Three accidents to one patient.<sup>2</sup> Three accidents occurred before admission.<sup>3</sup> Two accidents to two patients.<sup>4</sup> One accident occurred before admission.<sup>5</sup> Two accidents to one patient.

## CASUALTY TABLE B.

*Casualties arranged by Institutions and Severity of Injury.*

	Fractures.	Dis- locations.	Other Severe Injuries.	Total Severe Injuries.	Less Severe Injuries.
<i>Receiving Institutions.</i>					
Boston Psychopathic Hospital . . . . .	2	—	—	2	3
Boston Hospital . . . . .	22	—	1	23	4
Danvers Hospital . . . . .	31	—	2	33	14
Northampton Hospital . . . . .	2	—	—	2	1
Taunton Hospital . . . . .	11	4	2	17	35
Westborough Hospital . . . . .	17	—	—	17	5
Worcester Hospital . . . . .	36	—	2	38	6
<i>Institutions chiefly for Transfers.</i>					
Grafton Hospital . . . . .	10	—	2	12	19
Medfield Hospital . . . . .	27	1	—	28	6
Gardner Colony . . . . .	3	1	1	5	6
Foxborough Hospital . . . . .	5	—	—	5	1
State Infirmary, Mental Wards . . . . .	6	—	—	6	—
<i>Institutions for the Feeble-minded.</i>					
Massachusetts School . . . . .	6	2	—	8	7
Wrentham School . . . . .	7	1	—	8	4
Belchertown School . . . . .	2	—	—	2	2
<i>Special Public Institutions.</i>					
Monson Hospital . . . . .	17	1	—	18	—
Hospital Cottages for Children . . . . .	2	—	—	2	—
<i>Special Private Institutions.</i>					
Ring Sanatorium . . . . .	3	—	—	3	2
McLean Hospital . . . . .	2	1	—	3	2
Wiswall Sanatorium . . . . .	—	—	—	—	1
Totals . . . . .	211	11	10	232	118





## IV. INVESTIGATIONS.

The pathological evidence of focal infection in the bodies of patients dead with epilepsy and dementia praecox is in a state of collection. Until this year many such cases had annually come to autopsy; this year a great dearth of such material is most regrettable since the wish had been great to investigate such cases and personnel had been available to work upon it. However, a start has been made. Every precaution was taken to secure tissue to study possible generalized histopathological evidence of focal infection in group of insane patients as compared with the control group of patients not insane.

"Four cases of dementia praecox and four cases of epilepsy were studied and representative blocks from the viscera were removed at autopsy and stained with Mallory's connective tissue stained for the purpose of demonstrating chronic inflammatory changes, hemotoxylin and eosin and Van Giessen stained to demonstrate acute inflammatory and certain degenerative changes and some of the organs were frozen and stained with Scharlach R to determine the amount of distribution of fat present, for instance, in the adrenals.

The idea followed in this study was to ascertain if foci of infection are constantly found in psychotic patients and then if inflammatory or degenerative changes are regularly found that can be attributed to these foci of infection as the etiological factors. The difficulty in determining the latter can readily be appreciated when it is realized that no definite evidence has yet been brought forth to show the importance that foci of infection play in diseases of distant viscera and that for years there has been general disagreement among clinicians and pathologists upon this point. However, it was felt that if in a large and well controlled series the same or similar inflammatory or degenerative changes could constantly be found in patients showing foci of infection and not found in patients not showing them, worth while conclusions could be drawn as to the relation of foci infection to these lesions.

Now if a definite relationship can be discovered between foci of infection, and lesions of the viscera and if these lesions are peculiar to patients with psychotic manifestations as contrasted with non-psychotic patients, the roll of foci infection in producing psychoses is established.

We might say that we do find inflammatory or degenerative processes in all these cases in varying amounts, but we have no means of knowing whether they are due to these infections that are visible and bacteriologically productive or to previous ones. The gonadal changes for whatsoever reasons are present in all of the dementia praecox patients." Wilson.

This study will be continued by the Department's new appointee.

The writer was particularly fortunate in having Dr. D. A. Thom interested in this piece of research and in a manner sponsoring and financing it, Dr. B. A. Bartlett, who carefully prepared the tissues, so that they could at any moment be photographed, Dr. R. B. Wilson, associated with the Department of Pathology at Harvard Medical School, who most carefully analyzed the trunk organs, and Dr. Otis F. Kelly, who used the nervous system tissue for controls in his own work on The Acidophile Degeneration of the Cortex.

The Mental Health of the Offspring of Non-Psychotic Parents, published in Mental Hygiene, October, 1923, was the third of a series of papers on environmental *vs.* hereditary influences on the young, the first by Dr. D. A. Thom entitled "The Offspring of the Epileptic", the second by Dr. M. M. Canavan and this third closes for the moment investigation of this sort, involving as it does the time and energy of a well trained social worker for a period of months. The net results of these investigations show an optimistic trend; the epileptic is not so much of a parental risk as was previously thought unless two epileptics marry and are alcoholic. Dementia praecox parents are not too much of a hazard. Non-psychotic parents cannot be too comfortable, for their offspring may turn out to be feeble-minded as often if not oftener than those of the above mentioned deviates.

*Comparison of Children of Epileptic Parents, Parents with Dementia Praecox, and Non-Psychotic Parents.*

	EPILEPTICS.		DEMENTIA PRAECOX.	NON- PSYCHOTIC.
	Echeverria.	Thom.	Canavan.	Canavan.
Number of matings . . . . .	136	117	136	145
Number of children . . . . .	531	431	463	581
Normal . . . . .	105	238	295	355
Died . . . . .	222	151	86	81
Epileptic . . . . .	78	14	—	—
Insane . . . . .	11	2	5	2 <sup>1</sup>
Feeble-minded . . . . .	18	14	4	10
Backward . . . . .	— <sup>2</sup>	— <sup>2</sup>	12	12
Nervous . . . . .	— <sup>2</sup>	— <sup>2</sup>	12	12
Physically diseased . . . . .	— <sup>2</sup>	— <sup>2</sup>	17	101
Cases of conduct disorder . . . . .	— <sup>2</sup>	— <sup>2</sup>	36	8

<sup>1</sup> One of these cases should properly be classed as pre-psychotic.

<sup>2</sup> These conditions were not discussed in the Thom-Walker study.

As an evidence of the co-operation between the Department of Mental Diseases and the Psychopathic Hospital staff, one might mention the research problem which Dr. H. C. Solomon set for Dr. R. B. Wilson during a period of syphilis treatment in that department. Dr. Solomon was much interested to know what changes took place in the brain substance and in the ventricles after intraventricular treatment of the paretic with different varieties of arsenic preparations. Dr. Wilson was fortunate enough to find the track of the needle and to study histologically serial sections of the brain along this needle track, establishing the rapidity of reaction in nervous tissue to irritative foreign body and demonstrating thereby that there seems to be no dearth of reaction in brain tissue to injury in the tissue. Photographs and lantern slides were made of this study and the subject was made the basis of an illustrated talk by Dr. Wilson before the Boston Neurological Club on Dr. Solomon's invitation March 1, 1923.

The insidious onset of the pneumonias of the insane is emphasized in a paper "Hemiplegias Without Visible Brain Lesions in the Pneumonias of the Insane" and attention is called to the necessity of more thorough consideration of the physical illnesses of the patients under the hospitals' care. The importance of lumbar puncture, blood counts and cultures is emphasized to assist in the diagnosis.

The mental health of children from dementia praecox stock is also brought to attention in a paper by Canavan and Clark on "The Mental Health of 463 Children From Dementia Praecox Stock." The comparative table of results is noted under The Mental Health of 581 Offspring of Non-Psychotic Parents by the same authors.

The following table shows the routine work of the investigative staff of the Department:

Visits to institutions by pathologist . . . . .	162
Autopsies in cases of sudden deaths . . . . .	44
Severe injuries in institutions . . . . .	232
Less severe injuries . . . . .	118
Total injuries . . . . .	350
Total number of accidents . . . . .	292
Publications of state officers . . . . .	30

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Boston Medical and Surgical Journal, Vol. 187, No. 26, pp. 950-952.

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Journal of the American Medical Association, Vol. 81, No. 3, July 21, 1923, pp. 209-210.

BOWMAN, KARL M., M.D. Blood Chemistry in Mental Diseases.

American Journal of Psychiatry, Vol. II, No. 3, January, 1923, 379-408.

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- FERNALD, WALTER E., M.D. The Subnormal Child. (Read at a meeting of the Harvard Teachers Association, at Sanders Theatre, Harvard College, April 28, 1923.) *School and Society*, Vol. XVIII, No. 458, Oct. 6, 1923.
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## SUMMARY.

I. The progress of laboratory work in State Hospitals where they have a pathologist is thought to be satisfactory.

II. A monthly meeting of the pathologists has been held at the Department's laboratory.

III. There have been 125 autopsies during the current year done by the Department's officer and 1,788 during the period from July 1, 1914 to Nov. 30, 1923.

IV. The analysis of autopsied sudden death cases, 442 in number, shows that 24% of the total are due to acute infections against 87 or 19% due to heart lesions.

V. The suicides for this year have been 14 in number, about the average and analysis of 106 cases of suicides which have occurred in the State Hospitals during the past ten years shows them to be more frequent in the males than in the females, 62 and 44 respectively, and that they are more frequently of Protestant persuasion and in the 6th decade.

VI. The Medfield State Hospital has the highest percentage of autopsies for this current year, namely 44%.

VII. The casualties for the present year, 292, approach the 1914 to 1916 figures when they were highest.

VIII. The sudden, unexpected and violent deaths have been greater in number this year (122) than in any other year since the appointment of your pathologist exceeding the year of 1918 when 117 occurred.

The writer with this report severs State connection and passes on to another field, filled with quiet pleasure that no wrench or inconvenience is felt in any way by the move, since her successor, Dr. Marjorie Fulstow, will bring trained intelligence and enthusiasm into the position. The relations with the hospitals have been most satisfactory. To the Commissioner, Dr. G. M. Kline, sincere and abiding thanks and gratitude are due and warmly rendered for the confidence and trust he has reposed. It has been a most enviable experience in a unique position.

MYRTLE M. CANAVAN, M.D.,  
*Pathologist.*

## REPORT OF DIRECTOR OF DIVISION OF SOCIAL SERVICE.

Reference was made in last year's report to the concentrated effort which had been directed toward structural processes in the Social Service Division. With the gradual strengthening of the social service structure, new opportunities for service became apparent, consequently the past year's efforts have been marked by the extension of social service into two more divisions which have been established within the Department of Mental Diseases, — one relating to mental hygiene activities, the other to the community care of non-institutional cases of feeble-minded persons. In both these divisions, social service plays a large and active part, particularly in the work connected with the feeble-minded — a problem which is assuming large proportions from economic and social viewpoints.

Institution social service is, apparently, on a sound basis and in a fairly wholesome condition: in some instances signs of growth have appeared during the year. The nature of the work, which is slowly changing in some respects, is more nearly approaching the true functions of social service: this is noted principally in the increased number of cases which have been referred to social service departments for case work and social supervision. There is reason to believe that this change will become more marked as the value of social work with mental patients becomes better known to hospital officials. The functions of social service will doubtless become as clearly defined and necessary as are other recognized branches of hospital service. To some extent this is already true of some of our social service departments in State Institutions. There is much to be said relative to contributions of social service to medical officials in that they must relate directly to *values* — economic, — scientific — and philanthropic — in order to overcome previous misconceptions of social work and to prove by results, more or less tangible, that it has much to offer in the reconstruction and treatment of mental patients. The necessity of emphasizing the economic value of social work to the institution is becoming increasingly apparent and perhaps rightly so — when consideration is given to the vast sums of money which are expended annually for the care and treatment of mental patients and feeble-minded persons.

## SOCIAL SERVICE: CENTRAL OFFICE.

The functions of the central office, previously defined, remain varied and manifold. Although the main functions relate to matters of personnel, organization, policies, correlation of social work with that of other agencies, publications, etc. — this office is

gradually becoming a sort of clearing house for social agencies and others who wish social advice about persons who are mentally affected. Frequent conferences are held with executives of other social organizations relative to cases in which mental problems are involved. Occasional assistance is requested from other States which are planning similar institution service or special work with extramural feeble-minded cases.

Early in the year a new outline for monthly statistical reports was arranged and officially adopted after considerable study and effort on the part of various members of the Department. These reports cover all the main functions of local departments and contain an analytical statement of the work which serves as an aid to constructive thinking and planning. Several requests for copies of this outline have been received from various parts of the country.

Two new branches of social service have been started during the year, one in connection with Habit Clinics of the Mental Hygiene Division, — the other with the Community Supervision of Feeble-minded persons. The work of the Habit Clinics is becoming increasingly popular from the mental hygiene viewpoint, in that it is directed toward preventive work with normal children of pre-school age. The social workers connected with this clinic are specially trained and otherwise qualified for the work.

The new law relative to community supervision of non-institutional groups of feeble-minded persons opens up new possibilities in State service which are obviously of social and economic values, particularly when consideration is given to the costliness of institutional care. Without the assistance of trained social workers, it is doubtful if such work could be effectively accomplished, therefore plans for such supervisory service have included trained personnel. Because of certain necessary changes in the law but few persons have as yet been regularly committed for supervision. As a preliminary step to the selection of suitable cases for community supervision, a study is being made of some 1,400 applications for admission to the Massachusetts School (Waiting List). The general purpose of the study is to learn the present status of each application and to make recommendations accordingly. Eliminations from this list include — self or otherwise adjusted applicants; those in care of other agencies or State departments; those for whom arrangements may be made in the community — not located, etc. Only those who are in definite need of State care are recommended for commitment to institutions or to the Department. Three trained psychiatric social workers are engaged in this work, which is under the direction of the Social Service Division. Study cases are presented weekly for analysis and disposition: social workers from the State Schools attend the weekly case reading and take an active part in the discussions. It is hoped by this procedure that the community supervision work with the feeble-minded in Massachusetts may be standardized. There is an increasing number of appeals from agencies and other interested persons who seek advice and guidance in this particular field which probably further indicates the need and desirability of community work with the feeble-minded under State direction.

The following very brief statement indicates something of the nature of the needs which the Central Office is attempting to fill. There are numerous requests for social advice, guidance or information from various sources relative to the needs of mental cases.

One hundred and eighty-two interviews have been held with hospital social workers relative to their work.

One hundred and sixteen interviews or conferences with persons engaged in some other form of social work.

Forty-eight cases have been referred by social agencies to the Department for definite action.

Seven cases have been referred by the Department of Mental Diseases for special investigation or supervision.

Forty-eight persons have applied for positions — comparatively few of these have been able to meet the requirements; several were advised to take a course of training.

Thirty-five lectures or conferences have been attended outside the Department.

Seven visits have been made to institutions.

There are various other duties which naturally fall to an office of this kind. Eternal vigilance must ever be the price of building up and maintaining a morale which is quite essential in any well functioning social service department.

#### CONFERENCE WORK.

The regular monthly conferences of Hospital Social Workers have become an established feature of the service. Subjects covered this year are as follows: —

Outline for Monthly Social Service Reports: Discussions.

Presentation and discussion of social cases looking toward technic of social case work; policies, etc.

Social Aspects of Venereal Disease Work (outside speakers).

School Clinic Work; joint session with physicians.

Survey of Social Service Departments — by local social workers.

Policies relative to Recreation for patients under social supervision. (Some of these subjects required two or more sessions.)

Total attendance at conferences (11 sessions), 300.

Average attendance at conferences (11 sessions), 27.

Social workers from State Institutions of New Hampshire and Rhode Island attend the conferences regularly.

#### INSTITUTIONAL SOCIAL SERVICE.

The following is an attempt to show something of the general status of social service in institutions connected with the Department. The functions which have been previously defined in other reports remain generally the same — as do many of the routine duties which are more or less incidental to general social work.

#### Personnel.

INSTITUTION.	Social Workers.	Students.
Boston State Hospital . . . . .	3	2
Boston Psychopathic Hospital . . . . .	5 <sup>1</sup>	1
Belchertown (feeble-minded) . . . . .	1	—
Danvers State Hospital . . . . .	2	—
Foxborough State Hospital . . . . .	1	2
Grafton State Hospital . . . . .	1	—
Gardner State Colony . . . . .	1	—
Massachusetts School (feeble-minded) . . . . .	3	—
Medfield State Hospital . . . . .	2	—
Monson State Hospital . . . . .	1	—
Northampton State Hospital . . . . .	1	—
Taunton State Hospital . . . . .	2	—
Westborough State Hospital . . . . .	2	—
Wrentham School (feeble-minded) . . . . .	2	—
Worcester State Hospital . . . . .	2	—
Division of Mental Hygiene . . . . .	1	1
Division of Social Service (feeble-minded) . . . . .	3	—

<sup>1</sup> Research worker, Psychopathic Hospital.

Students from Smith College Training School for Social Work are placed annually at a few of the institutions for 9 months' practice work under supervision.

Total number of social workers . . . . .	34
Total number of students . . . . .	6

#### FINANCIAL.

The total amount paid for salaries of social workers the past year was \$25,955. For travelling expenses incurred in service \$6,685, making the total cost of social service (aside from maintenance) \$32,640 (15 institutions). Students receive no salaries, but are reimbursed for travelling expenses connected with the service.

Numerical Summary of Cases handled by Social Service Departments for the year: —

Total number of cases considered (all purposes) . . . . .	11,525
Total number of cases under social supervision . . . . .	2,793
Total number of placements:	
Homes . . . . .	202
Industry . . . . .	73
Miscellaneous . . . . .	38
	<hr/>
	313
Total number of visits to patients in homes . . . . .	4,446
Total number of visits to patients' relatives . . . . .	6,494
Total number of visits to employers . . . . .	2,810

The above statement refers more directly to the actual case work of the social service: other duties include school and community work: history work: lectures to nurses and others: and miscellaneous duties more or less directly related to the work of a social service department.



## SUMMARY OF IMPORTANT FACTORS.

Social service has been established in every institution connected with the Department of Mental Diseases. Standards relative to qualifications for social workers and students have, to a very great extent, been maintained. New and important work with special groups of mentally affected persons has been started which appears to be potentially valuable and far reaching from social and economic viewpoints.

The present salary schedule for social workers connected with this branch of State service is acting as a deterrent in securing suitable persons for the work. It is becoming increasingly difficult to secure or retain desirable social workers under present conditions. The steadily increasing demand for psychiatric social workers and the inadequate supply of available persons possibly indicate the need of some provision for student and volunteer training under Department auspices.

The interest in Institution social work appears to be gradually becoming a conviction that such work is indispensable to State service with mental patients.

Probably the most valuable and vital features of the present status of our Social Service Department are noted in the unity of purpose, on the part of the workers, to bring social service to a high degree of efficiency and desirability: a determination to emphasize the *spirit* of social service and its value to patients over the commercial evaluation which, in the last analysis, is very difficult to determine. Other compensation is frequently realized in the reaction of patients who have been aided in the readjustment of their lives in the community. This is equally true of the reaction of relatives who have worked cooperatively with our social workers.

Because of the loyalty, support and cooperative attitude of the Commissioner and other State officials, the Social Service Division has apparently gained in strength and personnel, and possibly in the effective discharge of duties. Estimation of these unseen but vital forces is difficult to determine — it must be experienced rather than verbally expressed to be properly appreciated.

It is earnestly hoped that the coming year will be marked by progressive measures in the various fields in which social service connected with the Department of Mental Diseases is now active.

Respectfully submitted,

HANNAH CURTIS,  
*Director of Social Work.*

## REPORT OF DIRECTOR OF DIVISION OF MENTAL HYGIENE.

*To the Commissioner of the Department of Mental Diseases.*

The Division of Mental Hygiene has carried out the program outlined in the Annual Report of the Commissioner of Mental Diseases for the year ending November 30, 1922, and there is no doubt that the results of the work for the past year have justified its existence and has already stimulated other states to follow the lead of Massachusetts in its efforts to prevent mental illness.

The Division is deeply indebted to the physicians who have given unsparingly of their time and effort in directing the problems of research during the past year.

Dr. Abraham Myerson's research on the problem of Feeble-mindedness, which is being carried out in cooperation with Dr. Walter E. Fernald, Superintendent of the Massachusetts School for the Feeble-Minded, will be reported within the year. Dr. O. F. Raeder's research in endocrinology and its relation to mental deficiency was completed and reported at the annual meeting of the Association of the Study of the Feeble-minded held in Washington in May. Dr. Harry C. Solomon's studies in relation to neuro-syphilis have also been reported and published, while Dr. Myrtelle M. Canavan's pathological studies in dementia praecox and epilepsy have been carried as far as funds would permit and will be completed during the ensuing year. Dr. A. Warren Stearns has made an interesting and valuable contribution to the subject of homicide. Dr. Douglas A. Thom has completed a study lasting over two years on the relation between infantile convulsions and the chronic convulsive conditions of later life. This study has been reported and published during the past year.

In the first report which outlined the program for the Division of Mental Hygiene it was stated that "one of the most immediate demands in the State is the organization of Out-Patient Clinics". The Director has personally supervised this activity with the idea of supplying every town and city adequate opportunities for getting early treatment for mental illness.

These clinics have been inaugurated during the past year in the following towns: Brockton, Worcester, New Bedford, Fitchburg, Lynn, Lowell and Lawrence. A special group of clinics interested in the children of pre-school age has been organized and developed in the following Boston districts: North End, West End, East Boston and

Roxbury. Besides these clinics in Boston, Habit Clinics have been opened in Lynn and Lawrence and plans are already under way to start similar clinics in Lowell and Springfield. A special diagnostic clinic has been started in Reading in association with the school authorities.

In so far as possible the mental clinics have been connected with the General Hospitals where the mental and physical side of the individual can be studied as a whole. In this way much valuable educational work is being done in association with general practitioners, and those interested in medicine and surgery and allied medical subjects are in a position to contribute much to the understanding and prevention of mental illness.

The Division of Mental Hygiene rendered valuable service to the various social agencies through the State and has been called upon for assistance by practically every hospital and social agency interested in problems of health.

The program for the ensuing year will be carried on along very much the same lines as in the past, special attention being paid to the development of the clinical facilities throughout the State and the study of such problems, both from a clinical and a laboratory point of view, that have a direct bearing upon the mental health of the citizens of Massachusetts.

D. A. THOM,  
*Director.*

## REPORT OF THE COMMITTEE ON TRAINING SCHOOLS FOR NURSES.

The Committee on Training Schools for Nurses respectfully submits the following report for the year 1923:—

Training schools were conducted in nine of the State Hospitals. Thirty-three nurses were graduated from six schools.

The schools were maintained at a standard of high level and we feel that all graduates are splendidly equipped to take up the profession of trained nurses.

The usual difficulty was experienced in obtaining a full quota of pupil nurses. Many of those who started the course failed to continue it. The course is very hard and requires a great amount of study and extra work. Undoubtedly this is a factor in discouraging many. Our standards are those of the Massachusetts State Nurses Association and also the Board of Registration in Nursing. The Committee feels these requirements might very well be reduced by eliminating certain subjects which do not appear to be essential for the education of a nurse.

The schools all give one year's affiliation in some general hospital in Massachusetts. The courses given attendants have been continued and undoubtedly great good has resulted from this instruction.

The Committee held two meetings during the year with the Superintendents of Nurses. Reports were received and various aspects of the work considered. Some minor changes in the curriculum and uniforms were made.

The output of the schools does not seem large, but the Committee feels that though few nurses are graduated the fact that a school is being conducted in a hospital is of considerable value to the operation of that hospital and, therefore, more than justifies the policy of operating schools for nurses in the State Hospitals.

Respectfully submitted,

E. H. COHOON, M.D., *Chairman.*

JAMES V. MAY, M.D.

JOHN A. HOUSTON, M.D.

CLARENCE A. BONNER, M.D., *Secretary.*

## COMMITMENTS FOR OBSERVATION AND TEMPORARY CARE FOR THE WHOLE STATE.

The number of commitments for observation (under section 77, chapter 123, General Laws) was 371 for the year. The period designated by the judges in the various cases was usually thirty days.

Of these cases 217 were subsequently committed, 116 were discharged, 2 were admitted voluntarily, 12 died, and 24 were remaining at the close of the year.

Under chapter 307 of the Acts of 1910, requiring that emergency cases which come into the care or protection of the police in Boston be taken to the Boston State Hospital for temporary care, and forbidding the use of prisons, jails or penal institutions for such persons, 192 were taken to the Psychopathic Department of the Boston State Hospital. Of these, 103 were subsequently committed, 69 were

discharged, 12 were committed for further observation, 1 died, and 7 were remaining at the close of the year.

There were 5 admissions under section 55, chapter 123, General Laws, which provides for the apprehension of a patient before examination and commitment; 3 of these were subsequently committed and 2 discharged. There were none remaining at the close of the year.

	ADMISSIONS UNDER —					
	Section 55, Chapter 123, General Laws (Apprehension of Alleged Insane Persons.)	Section 77, Chapter 123, General Laws (for Observation).	Chapter 307, Acts of 1910 (for Temporary Care, Boston Hospital).	Section 79, Chapter 123, General Laws for Temporary Care.	Section 86, Chapter 123, General Laws for Voluntary Care.	Section 78, Chapter 123, General Laws for Care in Emergency.
Admitted during year . . . . .	5	371	192	2,611	304	59
Discharged . . . . .	2	116	69	733	204	5
Discharged to Immigration Commissioner . . . . .	-	-	-	-	-	-
On visit . . . . .	-	-	-	1	23	-
On escape . . . . .	-	-	-	2	-	-
Died . . . . .	-	12	1	26	5	5
Regularly committed . . . . .	-	215	1	893	24	16
Committed for observation . . . . .	1	-	12	128	5	2
Re-admitted under chapter 174 . . . . .	-	-	-	18	4	-
Re-admitted as chapter 142 . . . . .	-	-	-	-	-	-
Admitted as emergency . . . . .	-	-	-	50	-	-
Admitted voluntarily . . . . .	-	2	-	93	1	-
Admitted as inebriate . . . . .	-	-	-	1	-	-
Returned to institutions . . . . .	-	-	-	-	-	-
Committed to other institutions . . . . .	2	2	102	618	11	31
Voluntary to other institutions . . . . .	-	-	-	3	2	-
Non-mental at private institutions . . . . .	-	-	-	-	-	-
Remaining September 30, 1923 . . . . .	-	24	7	45	25	-

Under section 79, chapter 123 of the General Laws, allowing the admission of patients for ten days for temporary care, 2,611 cases were admitted, of whom 1,511 were subsequently committed, 733 were discharged, 2 escaped, 96 received under the voluntary status, 1 was allowed to leave on visit, 50 were re-admitted as emergency cases, 128 were committed for observation, 26 died, 18 were re-admitted under section 79, 1 was admitted as an inebriate, and 45 were remaining at the close of the year.

There were 59 emergency admissions, under section 79, chapter 123, General Laws, of whom 47 were committed, 2 were committed for observation, 5 were discharged, and 5 died.

Voluntary admissions numbered 304, of whom 35 were committed, 204 were discharged, 23 allowed to go on visit, 5 died, 4 were admitted under Section 79, 3 went voluntarily to other institutions, 5 were committed for observation, and 25 were remaining at the close of the year.

It is to be noted with interest that during the year covered by the report there were 304 voluntary admissions, 2,611 under section 79, General Laws, and 192 under chapter 307, Acts of 1910, making a total of 3,107 patients who were admitted without any action of the court or judge or other very formal proceeding. Of these 3,107 cases thus admitted, 1,006 were discharged without commitment, 27 died before commitment, 99 signed voluntary requests, and 25 voluntary patients continued their stay in the voluntary status, no commitment being considered necessary, making a total of 1,157 persons who secured the benefits of treatment in our public or private hospitals for the insane without the formality of procedure

before a judge, which would have been attended with delays, legal exactions, semi-publicity and the stigma of having been pronounced insane, all of which was thus obviated to the comfort and satisfaction of the patients and friends.

### THE STABILITY OF SERVICE

in the institutions averages about the same as the previous year. There were 3.18 rotations of all employees, compared with 2.84 rotations the previous year; 3.96 in the nursing staff compared with 3.49 the previous year. The maximum stability for the State Hospital service was at the Danvers Hospital, where there were 2.64 rotations; and for the nursing staff also at the Danvers Hospital, where there were 2.86 rotations.

The average length of the interval between rotations of all employees was 3.81 months; of all nurses, 3.06 months.

The average shortage of employees was 25.96 per cent.







*Rotation in Service of Persons employed in Institutions during the Fiscal Year ending November 30, 1923 — Concluded.*

INSTITUTIONS.					FEMALE WARD SERVICE.			TOTAL WARD SERVICE.			WHOLE SERVICE.		
					Average Number of Nurses.	Number of Different Persons.	Rotations.	Average Number of All Nurses.	Number of Different Persons.	Rotations.	Average Number of All Em- ployees.	Number of Different Persons employed.	Rotations.
The insane:													
Worcester Hospital . . . . .	.	.	.	.	93.59	341	3.64	186.29	870	4.67	340.53	1,259	3.69
Taunton Hospital . . . . .	.	.	.	.	55.82	190	3.40	109.59	499	4.55	220.06	695	3.15
Northampton Hospital . . . . .	.	.	.	.	23.78	71	2.98	54.75	168	3.06	135.31	366	2.70
Danvers Hospital . . . . .	.	.	.	.	63.22	181	2.86	127.01	364	2.86	253.62	670	2.64
Westborough Hospital . . . . .	.	.	.	.	47.70	230	4.81	99.64	553	5.54	221.69	885	3.99
Boston Hospital . . . . .	.	.	.	.	96.82	262	2.70	180.65	680	3.76	330.12	1,147	3.47
Psychopathic Hospital . . . . .	.	.	.	.	17.96	51	2.83	38.33	148	3.86	116.84	331	2.83
Grafton Hospital . . . . .	.	.	.	.	47.54	118	2.48	98.21	336	3.42	234.87	623	2.65
Medfield Hospital . . . . .	.	.	.	.	75.71	340	4.49	135.02	634	4.69	262.90	957	3.64
Foxborough Hospital . . . . .	.	.	.	.	24.30	68	2.79	50.52	175	3.46	125.80	342	2.71
Gardner Colony . . . . .	.	.	.	.	23.61	117	4.95	64.40	312	4.84	148.29	534	3.60
Totals and averages . . . . .	.	.	.	.	570.05	1,969	3.45	1,144.41	4,739	4.14	2,390.03	7,809	3.26
Miscellaneous:													
Monson Hospital . . . . .	.	.	.	.	39.24	128	3.26	88.69	338	3.81	179.06	578	3.22
School for Feeble-minded at Waltham . . . . .	.	.	.	.	68.53	216	3.15	149.42	514	3.43	243.15	717	2.94
Wrentham School . . . . .	.	.	.	.	69.14	238	3.44	115.21	435	3.77	184.37	589	3.19
Belchertown School . . . . .	.	.	.	.	9.96	22	2.20	33.59	52	1.54	86.74	128	1.47
Totals and averages . . . . .	.	.	.	.	186.87	604	3.23	386.91	1,339	3.46	693.32	2,012	2.90
Totals and averages, hospitals and miscellaneous . . . . .	.	.	.	.	756.92	2,573	3.39	1,531.32	6,078	3.96	3,083.35	9,821	3.18

### THE CAPACITY FOR PATIENTS

in all the institutions December 1, 1923, was 19,119, compared with 18,652 the previous year, an increase of 467 beds. The whole number of patients on December 1, 1923, was 20,375, compared with 19,529 the previous year, an increase of 846. There is, however, a deficiency of provision for 1,256 patients, or 6.56 per cent.

### THE CAPACITY FOR THE INSANE

in State institutions December 1, 1923, was 14,654, an increase of 292 beds. The whole number of patients on December 1, 1923 was 15,943, as compared with 15,524 the previous year, an increase of 419. There is, however, a deficiency of provision for 1,289 patients, or 8.79 per cent.

*Working Capacities of Institutions.*

INSTITUTIONS.	MALES.		FEMALES.		TOTALS.	
	Dec. 1, 1923.	Increase for the Year.	Dec. 1, 1923.	Increase for the Year.	Dec. 1, 1923.	Increase for the Year.
The insane:						
Worcester Hospital . . . . .	1,113	-	962	4	2,075	4
Taunton Hospital . . . . .	599	121	605	-	1,204	121
Northampton Hospital . . . . .	426	-	432	40	1,204	40
Danvers Hospital . . . . .	665	-	867	-	1,532	-
Westborough Hospital . . . . .	554	58	643	-	1,197	58
Boston Hospital . . . . .	801	-	1,096	-	1,897	-
Psychopathic Hospital . . . . .	67	-	59	-	126	-
Grafton Hospital . . . . .	591	-	563	-	1,154	-
Medfield Hospital . . . . .	637	-	903	-	1,540	-
Foxborough Hospital . . . . .	375	200	274	-	649	200
Gardner Colony . . . . .	588	-	253	2	841	2
Mental Wards, State Infirmary . . . . .	177	-	496	-	673	-
Bridgewater Hospital . . . . .	908	-	-	-	908	-
Totals . . . . .	7,501	246	7,153	46	14,654	292
Miscellaneous:						
Monson Hospital (sane and insane) . . . . .	547	-	420	-	967	-
School for Feeble-minded at Waltham . . . . .	956	-	542	-	1,498	-
Wrentham School . . . . .	538	-	752	35 <sup>1</sup>	1,290	35 <sup>1</sup>
Belchertown School . . . . .	355	105	355	105	710	210
Totals . . . . .	2,396	105	2,069	70	4,465	175
Aggregates . . . . .	9,897	351	9,222	116	19,119	467

<sup>1</sup> Decrease.

*Working Capacities of Institutions — Concluded.*

INSTITUTIONS.	NUMBER OF PATIENTS IN INSTITUTIONS. DEC. 1, 1923.			EXCESS OF PATIENTS.			
	Males.	Females.	Totals.	Increase for the Year.	Number of		Percentage.
					Males.	Females.	
The insane:—							
Worcester Hospital . . . . .	1,079	1,066	2,145	144	34 <sup>1</sup>	104	70
Taunton Hospital . . . . .	674	723	1,397	21	75	118	193
Northampton Hospital . . . . .	519	577	1,096	43	93	145	238
Danvers Hospital . . . . .	692	926	1,618	12	27	59	86
Westborough Hospital . . . . .	534	767	1,301	44	20 <sup>1</sup>	124	104
Boston Hospital . . . . .	931	1,193	2,124	91	130	97	227
Psychopathic Hospital . . . . .	31	26	57	27 <sup>1</sup>	36 <sup>1</sup>	33 <sup>1</sup>	69 <sup>1</sup>
Grafton Hospital . . . . .	711	732	1,443	6 <sup>1</sup>	120	169	289
Medfield Hospital . . . . .	713	1,009	1,722	36	76	106	182
Foxborough Hospital . . . . .	267	300	567	14	108 <sup>1</sup>	26	82 <sup>1</sup>
Gardner Colony . . . . .	535	351	886	50 <sup>1</sup>	53 <sup>1</sup>	98	45
Mental Wards, State Infirmary . . . . .	222	488	710	20 <sup>1</sup>	45	8 <sup>1</sup>	37
Bridgewater Hospital . . . . .	877	—	877	17	31 <sup>1</sup>	—	31 <sup>1</sup>
Totals . . . . .	7,785	8,158	15,943	419	284	1,005	1,289
Miscellaneous:—							
Monson Hospital (sane and insane) . . . . .	548	573	1,121	3	1	153	154
School for Feeble-minded at Waltham . . . . .	926	638	1,564	51	30 <sup>1</sup>	96	66
Wrentham School . . . . .	452	815	1,267	80	86 <sup>1</sup>	63	23 <sup>1</sup>
Belchertown School . . . . .	250	230	480	293	105 <sup>1</sup>	125 <sup>1</sup>	230 <sup>1</sup>
Totals . . . . .	2,176	2,256	4,432	427	220 <sup>1</sup>	187	33 <sup>1</sup>
Aggregates . . . . .	9,961	10,414	20,375	846	64	1,192	1,256
							6.56

<sup>1</sup> Decrease.



## THE PUBLIC INSTITUTIONS.

## WORCESTER STATE HOSPITAL

Opened in January, 1833. Present capacity, 2,075.

Valuation of the plant, per capita of capacity, \$1,468; real estate, \$1,252; personal, \$216.

Daily average number of patients on books, 2,496; in hospital, 2,075; in family care, 20; on visit or escape, 401.

Number on books Oct. 1, 1923, 2,579; in hospital, 2,130; in family care, 19; on visit or escape, 430.

All admissions, 647.

Admissions as insane, exclusive of temporary-care cases, 584.

First cases of insanity, 462.

Voluntary admissions, 5.

Temporary-care admissions, 230.

*Finances.*

Expenditures from maintenance funds, \$717,484; total receipts, \$83,716, being \$32,549 from private patients, \$47,184 from reimbursing patients, \$3,983 from other sources.

Weekly per capita cost of maintenance computed on net expenses, \$6.51.

Weekly per capita cost of whole service, \$2.90; ward service, \$1.32.

One person employed for every 6.20 patients; 1 nurse for every 11.34 patients.

Average monthly wage for all persons employed, \$77.29; for nurses, \$64.70; male ward service, \$64.48; female ward service, \$64.91.

*Extract from Trustees' Annual Report.*

The three years of Dr. Bryan's service at the hospital have been most successful and he has the confidence of the Trustees as well as their active cooperation whenever possible. This reason alone, if there were no others, would be sufficient to warrant the Trustees in calling the attention of his Excellency and the Honorable Council to the policy of the Commissioner of Administration. The budget principle is sound and that of cooperative buying but the Trustees concur in the opinion of many who have given careful thought to the matter that, while economy in all state affairs is most desirable, it is to be deplored that the law, intended to be of great value to the state, has been construed and acted upon in such a manner that it has worked out detrimentally, at least to that part of the State's interests coming under the observation of the Trustees.

The present standards of work in Massachusetts cannot be maintained by such rigid economy. The care of the patients and the best interests of our institution in every way demand that the policies of the institution be formulated by those who understand the work, who have been trained in such work and know its needs. Cooperation should be the watchword in every advance step and special attention should be paid to the building up of the morale of the service. This cannot be done on a too limited, biased plan. Men of initiative and vision in any direction will not give of their best if there is to be no avenue for the working out of those visions, if financial stringency hinders the consummation of ideals and warps initiative. The possibility of being able to carry out constructive plans is necessary to stimulate and give incentive. The best plans, resulting in the best work of not only the Head but of the workers in all departments, can often only be made where expense is necessarily involved. The cutting now being done on every hand makes for deterioration in effective work.

*Extract from Superintendent's Annual Report.*

A complete re-organization of the medical staff along radically different lines has been attempted during the year and while the change has not been in effect sufficiently long to be able to say accurately as to whether it is a more efficient way of handling the medical work, we do believe that it has already resulted in better treatment for our patients. The medical work has been divided into distinct divisions — Psychiatric and Medical. Under the old plan of organization there were two services in the hos-

pital — male and female — each presided over by a senior assistant physician with two assistants. These officers were responsible for the entire examination of the patient, both physically and mentally. Under the new organization plan a third service has been inaugurated, the function of which is the study of the purely physical. This service is headed by a senior physician with two assistants and all of the physical examinations, both in new cases and patients already in the hospital, are carried out by this service. When a patient is admitted to the hospital a preliminary physical examination is made by the staff member who receives him. On the third day a member of the medical service makes a complete physical examination and is responsible for all laboratory procedures and other work connected with the study of the physical aspect of the patient. After this work is completed the Psychiatric service then makes the psychiatric diagnosis, taking into consideration the physical findings. In this way we have been able to find many physical conditions which we have been able to remedy. While many of these have no bearing upon the psychosis, it seems obvious that the first consideration in any mental disease should be to remedy any existing physical abnormality.

### *Hydrotherapy Report.*

Our Hydrotherapy Department continues to be one of the most important departments in the hospital. We have constantly assigned to this department a hydrotherapist and eight nurses on the female side and a hydrotherapist and two assistants on the male side. We have made some change during the year in our pack room in the female wards and have added five continuous bath tubs. We now have in operation thirteen continuous tubs, four on the male side and nine on the female side. These tubs are in operation 24 hours a day and the pack room is used the same.

### *Psychological Report.*

The most obvious and generally recognized function of a psychological department in a State Hospital is the application of mental measurement tests to selected patients referred to us by the physicians, especially cases suspected of mental deficiency, court cases, and various cases in which there is special need of making the mental examination as thorough as possible. It is not necessary that all incoming patients should be tested, nor would this be possible with our present working force. But the psychological test is a routine procedure in the Out-Patient clinics and the juvenile and adolescent subjects who are brought to these clinics for examination are tested with the utmost care and thoroughness.

Unfortunately, we have no adequate means of mental measurement for insane or defective subjects. The Binet scale is fairly satisfactory for testing normal children and because of its successful use in schools it has come to occupy an important place in public confidence. But when used in the clinic it does not yield any such consistent results as are generally attributed to it, and we are in great need of a system of mental measurement better adapted to clinical requirements. This hospital, including its Out-Patient department, offers exceptional opportunities for trying out new methods, and the development of a system of tests for use in psychological clinics is probably the most valuable contribution our department can make to clinical psychology.

### *Social Service Report.*

The work has been carried on during the year very much as outlined in previous reports. Of the 393 cases referred during the year 76 were referred for histories, 56 for investigation of conduct disorders, 32 for employment, 19 for investigation of home conditions, 24 for investigation of patients' statements, 29 for investigation of statements of others, 125 for supervision, 6 for care of patient's family and 25 for personal service.

The outstanding social problems in the above cases were disease, sex, personality, environment, education and legal problems. These problems have been solved by obtaining better environmental conditions, both in home and industry, bringing about changes in point of view and behavior of the patient, adjusting him to his family and community and using every available social resource. Much has been accomplished in the homes by educating the patient and relatives in the simple principles of hygiene and by giving cheer and encouragement.

There were at the beginning of the year 23 patients boarded in private families and at the close of the year 20 were in family care. The visits paid to this group of patients during the year were 84.

## TAUNTON STATE HOSPITAL

Opened in April, 1854. Present capacity, 1,204.

Valuation of the plant, per capita of capacity, \$816; real estate, \$659; personal, \$157.

Daily average number of patients on books, 1,594; in hospital, 1,354; in family care, 17; on visit or escape, 223.

Number on books Oct. 1, 1923, 1,605; in hospital, 1,402; in family care, 14; on visit or escape, 189.

All admissions, 385.

Admissions as insane, exclusive of temporary-care cases, 355.

First cases of insanity, 291.

Voluntary admissions, 1.

Temporary-care admissions, 112.

*Finances.*

Expenditures from maintenance funds, \$487,017; total receipts, \$62,703, being \$23,799 from private patients, \$35,677 from reimbursing patients, \$3,227 from other sources.

Weekly per capita cost of maintenance computed on net expenses, \$6.69.

Weekly per capita cost of whole service, \$2.95; ward service, \$1.18.

One person employed for every 6.34 patients; 1 nurse for every 12.74 patients.

Average monthly wage for all persons employed, \$78.05; for nurses, \$64.96; male ward service, \$63.27; female ward service, \$66.55.

*Extract from Trustees' Annual Report.*

There has been received at the time of making up this report a very beautiful sentiment expressed in the message of His Excellency, Governor Channing H. Cox, which was incorporated in the Christmas programs of the calendar year of 1923, and this Board desires to express to relatives and friends of patients in this hospital the sentiment contained in the Governor's Message. We feel that the work of the hospital will be carried on much easier through the public visitation and familiarity with our problems and needs and a sympathetic understanding of the difficulties encountered in the care of our unfortunate inmates; also assist us in the economies that are justly and rightly used, and testify that the expenditure of special appropriations from time to time is most essential to progressive, scientific and humanitarian care of our patients.

The Training School has been continued under difficulties. Employment of attendant nurses, both male and female, seems difficult, and to secure women with the required qualifications for entry into our regular training course is increasingly hard to do. At the present time we have in our Junior Year but four students, eight are taking their course with the affiliated training class at the Boston City Hospital, and only six students are in the coming graduating class.

*Extract from Superintendent's Annual Report.**Out-Patient Clinic and School Clinic.*

For some years, clinics to supervise the progress of extra-mural cases have been conducted by this hospital once a month in both Fall River and New Bedford. In April of this year, a Mental Hygiene Clinic, operating weekly, and differing from the old type of clinic in that any community cases might be presented to it for examination and treatment was opened under the direction of this hospital in New Bedford.

The personnel of this Clinic, which also operates once a month in Fall River and examines cases which are brought to the main hospital for examination without the formality of commitment, consists of one physician, two social service workers and one psychologist.

The purpose, as is the purpose of any specialized general hospital out-patient clinic, is to accept for examination all of those cases presented to it which fall within its scope; to differentiate those cases which are suitable to be cared for in the community from those which should properly be hospitalized, and to institute in the former group therapeutic measures of a physical, psychiatric, or social nature which would tend to modify or entirely eradicate those symptoms which made it necessary for them to be



presented for examination, in order that they be enabled to remain more comfortably in the community.

There have been seen during the year a total of 150 different patients, of these 63 were male and 87 female.

The total visits numbered 316, of which 125 were male and 191 female.

#### NORTHAMPTON STATE HOSPITAL.

Opened in August, 1858. Present capacity, 858.

Valuation of the plant, per capita of capacity, \$1,458; real estate, \$1,215; personal, \$243.

Daily average number of patients on books, 1,280; in hospital, 1,045; in family care, 9; on visit or escape, 226.

Number on books Oct. 1, 1923, 1,336; in hospital, 1,080; in family care, 9; on visit or escape, 247.

All admissions, 453.

Admissions as insane, exclusive of temporary-care cases, 415.

First cases of insanity, 340.

Voluntary admissions, 9.

Temporary-care admissions, 217.

#### *Finances.*

Expenditures from maintenance funds, \$343,100; total receipts, \$81,356, being \$51,458 from private patients, \$27,398 from reimbursing patients, \$2,500 from other sources.

Weekly per capita cost of maintenance computed on net expenses, \$6.19.

Weekly per capita cost of whole service, \$2.55; ward service, \$0.83.

One person employed for every 7.84 patients; 1 nurse for every 19.38 patients.

Average monthly wage for all persons employed, \$86.13; for nurses, \$69.69; male ward service, \$68.11; female ward service, \$71.73.

#### *Extract from Trustees' Annual Report.*

The high cost of supplies made necessary the most rigid economy. We were enabled to turn back into the State Treasury the sum of \$36,359.82, but this saving was in large part due to a great shortage of employees throughout the year with a consequent expenditure for salaries and wages of a smaller amount than was appropriated for that purpose.

Our annual reports for years have called attention to the great over-crowding at our hospital and requests for relief have been frequent. The matter is more serious this year than ever. Temporary relief has been provided by the frequent transference of patients to other hospitals outside our district. But the relief thus afforded has been only temporary. Before another transfer is arranged the overcrowding has become more serious than ever and never is the relief adequate. We have at present nearly 300 patients more than we can accommodate.

Our Board frequently in our annual reports of the past twelve or fifteen years has outlined certain plans that might meet permanently the hospital requirements of the four western counties. The plan most favored by us was the establishment of a colony in Berkshire County where patients from that county and perhaps others from adjacent counties might be cared for under the administration and supervision of our hospital with the expectation that in time the colony would become an independent institution to care for all the patients from its part of the commonwealth.

It has also been suggested that new buildings be erected somewhere on our hospital property in Northampton (which is as accessible as any place in the four western counties) near enough to the present plant to make use of its power, heating, lighting, cooking, and laundry equipment and its farm. Till within a few years our superintendent has not favored this plan, believing an institution of not more than 600 inmates to be a desirable size. An institution of that size undoubtedly can be administered as economically as a larger one, with the incalculable advantage to the inmates and relatives of a more intimate supervision by staff, subordinate officers, and corps of employees. With the growth of our institution to its present size, now maintaining 1,100 patients, the advantages of the smaller hospital have been lost never to be regained.



There seems then to be no objection to the enlargement of the present institution by the addition of five hundred or six hundred beds and our Board offers this plan for consideration as a possible solution of a very serious matter.

*Extract from Superintendent's Annual Report.*

*Medical Work.*

The medical activities of the hospital have been carried on as usual but with a larger number of patients to be cared for than ever before and by a staff fewer in numbers. In each department, male and female, the medical work and supervision has been done by one physician who has had an assistant physician to help him for only part of the year. There is difficulty in finding physicians of satisfactory qualifications willing to accept service in a hospital for treatment of mental cases because it is so unattractive to many. Fortunately there has been no unusual amount of illness throughout the hospital.

The routine analyses, blood and spinal fluid tests, vaccinations against typhoid fever, smallpox and the like have been done and antisyphilitic treatments have been given in some cases of neuro-syphilis and paresis, but our assistant physicians are overworked and at times are under a strain to accomplish anything beyond the routine. They have my sincere appreciation of their loyalty and devotion to their work.

Care of the patients' teeth has been continued without interruption. A brief report of the dentist's work is as follows: alloy fillings, 712; enamel fillings, 118; rubber plates, 12; plates repaired, 9; prophylaxis, 793; extractions, 395; treatments, 398; treatments completed, 79; gutta serena fillings, 3.

*Out-Patient Service.*

More has been done in the out-patient department than in any previous year but fortunately we have had a full complement of workers in this service, a physician, a social worker, and an assistant psychologist.

The nature of the work has been described so fully in previous reports that only brief mention of their doings will be recorded.

Weekly psychiatric clinics have been held regularly at Springfield, Greenfield, North Adams, and Pittsfield in turn. Here individuals come of their own accord for examination and counsel or are sent by physicians, social workers, associated charities and by the courts. Patients out on visit come to report and relatives of patients in the hospital come to make inquiries and to send messages back to their friends. Quite a number of individuals have been referred to us who were not able to come to the places where the clinics are held; these have been visited at their homes.

It has been our experience that the different charitable agencies have cooperated with us in a very helpful way and we learn that our work is highly appreciated in the different communities where we serve. Cordial and friendly relationship has been established between the hospital and the public and an increasing confidence in our hospital has been engendered.

One day each week is devoted to the Juvenile Court at Springfield by our assistant, Dr. Whitney, and has seemingly been of much benefit to the officers of the court who have expressed deep appreciation of her services. Requests for similar services have come from other courts which we have been unable to grant because of press of work on our staff. It is a service that ought to be done and will prove very helpful when established as undoubtedly will be done in the near future.

The school clinics have been kept busy and there is plenty of work ahead in the examination of retarded school children who have been referred to us. Cooperation with the school authorities has been excellent where our clinics have been held and as methods and purposes are better understood it is found that parents are welcoming the new opportunities afforded; there are some communities however from which there has been no response and others where the work is being done irregularly by methods not prescribed by the Commission. There has been noticed a tendency to avoid the necessity of auxiliary classes, if possible, evidently because of the expense involved and without due consideration of the value of such classes to the schools, to retarded children, and to the community in general.

Our social worker has had supervision of patients on visit, making frequent visits to their homes, assisting in their readjustment to home and community, and advising the families as to their physical and mental condition. She attends the clinics, gets additional information for our case histories, investigates home conditions of patients before coming to the hospital, also prior to their going out on trial visit. Much time

has been spent with social agencies interested in families of our patients and in all these ways she has assisted the hospitals of the eastern part of the state who have patients in our district.

The attendance at our out-patient clinics has been larger than ever before. The total attendance was 677. Of these 34 were referred by physicians, 21 by hospitals, 51 by charitable and other organizations, 104 by courts, 250 by schools, 13 by other patients, 23 came with their relatives, and 20 came of their own accord. Patients away from the hospital to the number of 144 reported for the first time and 330 made other than first visits.

The social service department considered 376 cases during the year, of whom 221 were new ones, 4 were renewals, and 151 were continued from the previous year. One hundred and fifty-five cases were closed during the year.

#### DANVERS STATE HOSPITAL.

Opened in May, 1878. Present capacity, 1,532.

Valuation of the plant, per capita of capacity, \$1,881; real estate, \$1,702; personal, \$179.

Daily average number of patients on books, 2,007; in hospital, 1,642; in family care, 16; on visit or escape, 349.

Number on books Oct. 1, 1923, 2,040; in hospital, 1,650; in family care, 16; on visit or escape, 374.

All admissions, 637.

Admissions as insane, exclusive of temporary-care cases, 586.

First cases of insanity, 448.

Voluntary admissions, 3.

Temporary-care admissions, 329.

#### *Finances.*

Expenditures from maintenance funds, \$613,516; total receipts, \$125,972, being \$56,327 from private patients, \$67,431 from reimbursing patients, \$2,214 from other sources.

Weekly per capita cost of maintenance computed on net expenses, \$7.09.

Weekly per capita cost of whole service, \$2.92; ward service, \$1.20.

One person employed for every 6.54 patients; 1 nurse for every 13.06 patients.

Average monthly wage for all persons employed, \$82.08; for nurses, \$67.45; male ward service, \$67.03; female ward service, \$67.86.

#### *Extract from Trustees' Annual Report.*

The efforts of hospital workers towards rehabilitation, placement, and helpful supervision of paroled patients have been met by a full measure of cooperation on the part of local organizations, charitable agencies, and individuals interested in helping the handicapped and discouraged.

The excellent work of our school clinic division has impressed its value upon the public whom we serve. Service of this kind, with its common sentiments and interest in a cause of almost vital importance to the public, forms the finest bond of union and harmony between the hospital and the community. The first fruits of reasoned knowledge, arising from such an alliance of community and hospital forces, are mutual confidence and esteem, wholesome consideration for and fuller understanding of each other's character and qualities.

In line with the policy of the Department of Mental Diseases to extend the extra-mural activities of the hospitals, arrangements are now under way to establish a mental hygiene clinic at the Lynn City Hospital.

There have been many difficulties to surmount during the year; and doubtless, in lesser or greater degree, there always will be difficulties. But the impediments in the way of service this year were of a peculiarly trying kind. Curtailments were necessary in some departments. Delays in receiving materials and supplies slowed up repair and construction work, and in many other ways and directions this embarrassing inconvenience was felt. Important repairs and construction work have been held up, as a consequence. Fire in our coal pile, and the consequent withdrawal of workers from every department interfered with harvesting our crops, and before it was extinguished, a greater part of over five thousand tons stored had to be turned over or removed. An

increased inmate population and an insufficient force of ward workers formed a most serious problem of hospital management. The morale of many, outside of the small number of old and tried employees, has not been of the best. Agitations and recrinations of various kinds, changes and reorganizations and all the other accompaniments of rapid, high-pressure wisdom in action upon public affairs, doubtless contributed towards general unrest and uneasiness. For these agitations have an effect like unto a circle in the water that never ceases to enlarge itself. Their perturbing influence is felt throughout the length and breadth of every system which comes immediately within the zone of their disturbance, — and, beyond that, in the homes of men and women who have an intense personal interest in these institutions because they hold and shelter some one precious near to them. It is a dangerous thing, and yet how simple to do, to shatter the faith and confidence of people by reiterated catchwords and half-truths which gain a hold in the public mind, and at length come to be believed because the highest quarters can do nothing directly to oppose them.

It was a wise man who said that "it were good that men in their innovations would follow the example of time itself which innovateth greatly but quietly." And the observation is impressively applicable as respects State and charitable institutions.

### *Extract from Superintendent's Annual Report.*

#### *Student Internes.*

The custom of employing undergraduates of medical schools as student internes, during the summer months, has been continued. These positions were filled by undergraduates of the Johns Hopkins Medical School, the Woman's Medical College of Philadelphia, the University of Vermont and St. Lawrence University. The work of the student internes was of great value to the hospital. With the shortage of medical men, a great deal of work in the laboratory and clinical fields remained uncompleted, and this the internes undertook to finish up with commendable zeal and energy. Under the supervision of the regular staff they contributed valuable service.

#### *Public School Clinics.*

The examination of retarded pupils in the public schools was conducted by Dr. Guy C. Randall, assisted by Miss Parkhurst, a psychologist, and by the Social Service Worker of the Hospital.

This work is accepted as of great value by school authorities, and parents have come to realize its helpful importance in the cases of backward school children.

Total number of children examined	194
First Examination	113
Re-examination	81
Number referred by schools as three or more years retarded	122
Number disclosed to be actually 3 or more years retarded	120
Number of towns in which clinics were held for the first time	4
Number of towns in which clinics were held for the second time	2
Number of towns in which clinics were held for the third time	1
Number of Special Classes established	1
Number of Special Classes continued	3

#### *Occupational Therapy.*

The usual classes in occupational therapy and habit training have been conducted. The shortage of nurses during most of the year interfered seriously with the routine of training in orderly habits the deteriorated class of patients in the wards.

I have to repeat the statement made in this report last year that "the greatest handicap to this form of therapy is that the provisions for material, etc. are meagre. Supplies for this work can now be obtained only by drawing upon the rather limited appropriations for 'furnishings and clothing'. Much study and finesse is necessary to fill the requirements of these various divisions, and to keep expenditures within our appropriations. There was a time when the occupational department was practically self-supporting, and the progress of this form of therapy was the most encouraging feature of hospital work. Since the department has been obliged to turn in its receipts instead of applying them to its needs, and since practically nothing additional in the way of appropriation has been allowed to make up for loss of revenue, this division of medicine in the state hospital has suffered a decline, so that a fair description of present conditions would be that it is carried on not actively, but that it languishes. Something better than this is earnestly hoped for."



## WESTBOROUGH STATE HOSPITAL.

Opened in December, 1886. Present capacity, 1,197.

Valuation of the plant, per capita of capacity, \$1,177; real estate, \$919; personal, \$258.

Daily average number of patients on books, 1,567; in hospital, 1,304; in family care, 14; on visit or escape, 249.

Number on books Oct. 1, 1923, 1,580; in hospital, 1,327; in family care, 10; on visit or escape, 243.

All admissions, 434.

Admissions as insane, exclusive of temporary-care cases, 407.

First cases of insanity, 303.

Voluntary admissions, 10.

Temporary-care admissions, 93.

*Finances.*

Expenditures from maintenance funds, \$530,604; total receipts, \$123,000, being \$83,472 from private patients, \$35,162 from reimbursing patients, \$4,366 from other sources.

Weekly per capita cost of maintenance computed on net expenses, \$7.65.

Weekly per capita cost of whole service, \$3.16; ward service, \$1.14.

One person employed for every 5.97 patients; 1 nurse for every 13.28 patients.

Average monthly wage for all persons employed, \$81.21; for nurses, \$65.48; male ward service, \$63.97; female ward service, \$67.12.

*Extracts from Trustees' Annual Report.*

The population within the buildings has remained for several years nearly stationary, at somewhat above 1,300 patients. There is, however, an additional number, varying at times between 250 and 300 patients, who are out of the hospital, on visit, but still under supervision of the hospital in this portion of the State.

We feel that much has been accomplished in the twelve months just ended, for the better care of the patients and for the better physical condition of the whole institution.

It is fortunate that many of the wards, in the main building and in the colonies, have verandas connecting with the wards, which enable most of the patients to be in the open air, sitting or walking, many hours of each day. Also many of the patients in the psychopathic service spend all of the time in bed but still in the open air. And of course the tubercular invalids, both men and women, are having continuous open air surroundings.

The camp and tent life for about sixty men has been just as popular and satisfactory during the summer as in former years.

It is gratifying to realize that the good influence of this hospital is not limited to this locality. The visits at the hospital each year of the students of Boston University School of Medicine are regarded by them as instructive and memorable occasions. Some of them come also for several weeks of training in the problems of psychiatry and neurology. Some of our former physicians and students have gone to foreign lands, and are furnishing intelligent assistance to otherwise helpless sufferers. The last one of such representatives is Dr. Mary F. Cushman, a former assistant physician, who is caring for 60 to 100 patients daily in Portuguese West Africa.

We refer to the report of the Superintendent for a statement of the large amount of skilled medical and surgical service rendered to our patients by the members of the Consulting Board of Physicians and Surgeons and by the visiting Staff. It is difficult for any one to estimate the value to the State of the efforts of these specialists, most of them residents of Boston and connected professionally with Boston Institutions, who are giving of their best even when the State denies them compensation. But in so far as we are able, we express in this official way our gratitude for their sacrifices of time and private opportunities.



*Extract from Superintendent's Annual Report.**Medical Service.*

*Consulting Board.* — On February 22nd, the annual meeting of the Consulting Board was held at the Hospital. The members discussed with the Superintendent many of the problems of hospital management, examined a considerable number of cases requiring attention, and inspected the wards. Throughout the year the members of this board have responded to all calls upon them for their services promptly and cheerfully, and have shown an interest and willingness to serve which is keenly appreciated.

*Visiting Staff.* — Members of the Visiting Staff have been active in their work throughout the year. Our patients have continued to have the benefit of routine examination and treatment by these skilled specialists none of whom have failed to make their regular visits to the hospital or to come to our assistance when summoned for some special emergency. Not only do the patients benefit by the efforts of these men in their behalf but the families and friends of the patients are appreciative and have increased confidence in our institution because of the attendance of these specialists.

The resident physicians are assigned to assist the various specialists and in this way receive special training which qualifies them for carrying out the treatments prescribed, and for becoming more skilled in special diagnosis.

*Staff Meetings.* — Staff meetings have been held regularly during the year, case records have been discussed, and patients examined as formerly.

*Ward Services.* — Physicians have made their customary ward visits and a special effort has been made to give attention to recoverable cases and to make the wards as comfortable and attractive as possible to those who are under protracted hospital care. Particular attention has been given to the stimulation of occupation, recreation and entertainment for the patients. Careful clinical and laboratory investigation of physical illnesses has been carried out, and special diets have been worked out and prescribed for those afflicted with metabolic disturbances.

Hydrotherapy has continued to be a frequent and important means of treating out-patients. The continuous flow tubs on Childs Upper and Codman Upper and Male Ward 4 have been in constant use day and night, and those on Codman Lower, Childs Lower and Female Wards 4 and 5 have been used intermittently. Neutral packs to the number of 4,365 have been administered.

The Camp for male parole patients was in operation from June 28th to September 19th, and as in former years was a great success. There were accommodations there for 64 patients and all those who were quartered there were benefited.

*Syphilitic Clinic.* — Intravenous injections of arsphenamine in conjunction with salicylate of mercury intramuscularly have been given to cases suffering from general paralysis of the insane or cerebrospinal syphilis. Physical and mental improvement followed in a considerable number of cases. General observation of a considerable group of cases causes us to believe that many cases so treated are retarded in their progress, fewer patients than formerly become bedridden, and some are able to leave the hospital and become wage earners. It is not felt however, that the treatment is curative, and it is observed that when such cases begin to fail after a period of quiescence the course of the disease is accelerated and the patients pass away without the long bedridden stage which was so common formerly. On the whole, both the comfort of the patients, the periods of improvement which they experience and the better physical condition in which they are kept cause us to believe that this treatment is the best available for them.

Our clinics are held on Wednesday and Saturday of each week, and the Physicians of neighboring towns have been invited to refer syphilitic patients for treatment. Fifty-two patients were treated, they receiving 614 doses of arsphenamine and 311 of mercury.

*Psychiatric Out-Patient Clinic.* — The usual weekly Out-Patient Clinic was held at the Out-Patient Department of the Massachusetts Homeopathic Hospital in Boston. Five hundred and thirteen persons were examined, and given advice or treatment.

*Social Service Department.* — The Social Service Department has had a busy and successful year. For the first time the Institution has had the advantage of the services of two workers, though one position was vacant for a portion of the year. This department has charge of all investigations in the community of cases of persons committed, secures information for the medical staff in order that it may arrive at the proper diagnoses, investigates home conditions prior to the release of patients from the hospital where such action seems necessary, obtains employment if possible for patients leaving the hospital who are capable of self-support, keeps in touch with patients who are absent from the hospital on visit, and adjusts as far as possible unfortunate social situations which exist in the homes of those under its direction. It has charge of all

patients boarded out, and the workers visit regularly the homes of caretakers, and check up on the condition of the patients. One of the workers attends the out-patient clinic and interviews those reporting and gives such attention as may be necessary to the problems of the individual patients.

### BOSTON STATE HOSPITAL.

Opened in December, 1839. Present capacity, 1,897.

Valuation of the plant, per capita of capacity, \$1,894; real estate, \$1,730; personal, \$164.

Daily average number of patients on books, 2,411; in hospital, 2,090; in family care, 13; on visit or escape, 308.

Number on books Oct. 1, 1923, 2,462; in hospital, 2,104; in family care, 10; on visit or escape, 348.

All admissions, 613.

Admissions as insane, exclusive of temporary-care cases, 579.

First cases of insanity, 447.

Voluntary admissions, None.

Temporary-care admissions, 134.

### *Finances.*

Expenditures from maintenance funds, \$752,997; total receipts, \$105,161, being \$30,829 from private patients, \$72,232 from reimbursing patients, \$2,100 from other sources.

Weekly per capita cost of maintenance computed on net expenses, \$6.83.

Weekly per capita cost of whole service, \$2.85; ward service, \$1.31.

One person employed for every 6.40 patients; 1 nurse for every 11.70 patients.

Average monthly wage for all persons employed, \$78.86; for nurses, \$66.19; male ward service, \$64.01; female ward service, \$68.07.

### *Extract from Trustees' Annual Report.*

The Appropriation for the current year was \$731,351.40 for a population of 2,100. This was \$165,750.44 less than the estimate at the beginning of the year, an estimate which was based on the number of officers and employees fixed for the number of patients with the established scale of salaries and wages and on the quantities of food and clothing allowed for that number of patients. In spite of the fact that there were many vacancies in the personnel, that the utmost economy was used, that needed repairs and improvements were postponed, and that the usual inventory of stores and supplies was practically exhausted at the end of the year, the expenditures exceeded the appropriation by \$21,646.07. This amount has been granted the hospital by the Department of Mental Diseases from a general appropriation made for this purpose. This hospital has never before exceeded its appropriation, but this year the reduction in its estimates was excessive. The trustees question the policy of arbitrarily fixing the appropriations at an unreasonably low figure with a supplementary general appropriation for deficiencies, for if the appropriations are not definite guides for the expenditures they cease to have the restraining influence which they are supposed to exert. The assumption that there will be a large number of vacancies in the personnel leading to an unreasonable reduction in the item of the appropriation for this purpose, must inevitably influence the hospitals to keep the number of officers and employees at so low a minimum as to affect seriously the care and comfort of the patients committed to their care.

### *General Conditions.*

The trustees have maintained their regular visits to the hospital and have seen much to commend in the sympathetic interest and care of the patients by the officers and attendants in spite of the inadequacy of their numbers. The general health of the hospital has been good, and the number of the inevitable accidents less than one might expect.

*Extract from Superintendent's Annual Report.**Employees.*

The problem of maintaining an adequate force of employees in the hospital has not been so serious as it was during the preceding year. On September 30, 1922, there were 386 persons in the employ of the hospital. During the year 822 were appointed, 685 resigned and 141 discharged. Twelve hundred and eight persons occupied 444 positions, — a rotation of 2.72. The average daily number of employees during the year was 394.96, with 11.89 per cent of vacancies. The average daily number in the ward service was 214.56, with 16.6 per cent of vacancies. The ratio of ward employees was one to 9.74 patients, and of all employees, one to 5.29. Although this represents a slight improvement over the past year, the shortage, especially in the ward service, has been such as to interfere somewhat with the efficient and proper care of patients. This has affected the medical service in various ways. Less patients have been employed and there has been more restraint and seclusion than would be needed ordinarily. The lack of ward supervision, moreover, has resulted in a destruction of clothing and other ward supplies that is of considerable importance from a financial point of view. The limited number of nurses and attendants has, of course, materially interfered with our ability to satisfactorily handle the large number of visitors calling at the hospital to see their relatives and friends. The total number of visits made to the patients during the last year was 62,074. We often have 500 or 600 visitors during one day, the highest number on any one day during the year being 978. The decrease in the number of nurses is, of course, a material factor in increasing accidents, injuries and escapes. At the present time there is much less difficulty in obtaining the services of male employees. It is still hard, however, to maintain an adequate force of female nurses and attendants. This is due, doubtless, in part to the fact that the hours of duty are long, and association with mental cases is not attractive to those who are not familiar with this line of work. This is a problem, however, which has affected the general hospitals as much as it has the institutions for mental diseases. Under the circumstances, if an increased compensation is not possible for ward employees, certainly no reduction should be contemplated. One of the factors which has interfered with our maintenance of an adequate force of ward employees heretofore has been the lack of comfortable living quarters.

*Out-Patient Service.*

The supervision of patients in family care and those at home on visit, as well as the after care of cases discharged from the custody of the hospital, is an important part of the work of the out-patient department. Medical advice also is given to numerous persons who visit the hospital for the purpose of consulting members of the staff on matters pertaining to their own welfare or that of their family or relatives. The patients who have been allowed to go home on visit, or who left the hospital temporarily for family care, are visited at frequent intervals by our social workers. Patients on visit are also required to report at the hospital at regular intervals for observation. Considerable supervision is also given to former patients who have been discharged but who are kept under observation by the social workers and physicians. Some cases appearing for consultation are referred to their family physicians or to the Boston Psychopathic Hospital.

*Occupations and Industries.*

Under the direction of Miss Frances E. Wood, the occupational work of the institution has continued to increase in extent, 1,069 different patients having come under the supervision of this department during the year. Of this number 42 were found to be unfit for work in the department; 21 died; 143 improved enough to be allowed to go home; 16 were sent to other hospitals, and 62 were benefited sufficiently to be capable of working in other departments. The average daily number occupied in the male wards was 70, and in the female wards, 178, making a total average daily number of 248. The highest number occupied on any one day was 764. At the present time we have three occupational therapists on duty at the West Group and one at the East Group, in addition to the head of the department. On October 31st one occupational therapist resigned to accept the position of head occupational therapist in a State hospital in Michigan. During the year nine students from the Boston School of Occupational Therapy have spent one month each at the hospital for practical experience. Eight pupil nurses from the training school have also been given instruction during the year, and at the present time three attendants are assigned to the department for duty. It is hoped that several more occupational therapists may be authorized in order that the work may be carried on more efficiently and a greater number of patients



reached. It is difficult to secure occupational therapists at the rate of pay allowed, as other States offer better inducements. A systematic attempt has been made to interest in occupation of some kind as many patients in the wards as can be employed under existing circumstances, and who are unable, for any reason, to go to the industrial room. Occupational work has been carried on during the year in buildings A, B, C, D, E, and F in the East Group, and buildings A, B, C, D, F and G in the West Group. This consists of basketry, rug making, weaving, lace making, embroidery, knitting, crocheting, sewing, mending, furniture repairing, woodwork, simple bookbinding, tin work, cord work and drawing. During the year a new class for women has been started in a room in the West B Basement, accommodating from thirty to forty. New Classes have also been established on the male wards. The quality of work done by the patients has improved materially during the year, as has also their attitude towards helpful occupations. A year ago patients came to the class-room with reluctance; now those who come urge others to ask for assignment. Though the articles made are often of no intrinsic value, the patients are much benefited by the encouragement of a return of self-confidence, self-control and new and helpful interest. In a few cases it has been possible to teach new crafts to men who could use them as a means of livelihood upon their discharge from the hospital. The work with deteriorated cases has given very gratifying results, the patients having progressed noticeably in every way, and a greater number now being occupied. A few of these are able to leave the ward to go to the class-room, and most of them take more interest in their personal appearance. We have accomplished during the year all that can be done with the limited number of occupational instructors available. A class in calisthenics would be desirable and would doubtless open the way for greater interest and the accomplishment of more handicraft work. With additional assistants the work can be more systematically done, of much more benefit to a greater number of patients, and of real assistance to the hospital, in that the work of nurses and attendants would be decreased, destruction still more diminished and a higher grade of occupational work developed. The estimated value of articles produced in the wards during the year was \$700.00.

The "occupational therapy center of mental patients", at Hopkinton, established under the direction of Miss Marie L. Donohoe, head social worker, during the summer of 1922 and made possible by private contributions, has continued its work throughout the year. Fifteen different patients have been given convalescent care, their residence at the center extending from ten days in some cases to over a year in others. With two exceptions, these patients have all shown marked improvement, some of them having recovered sufficiently to take their places in the community and live normal, helpful lives. Several of them have been enabled to return to their homes, and, while not entirely recovered, are doing well, and improving continually. The atmosphere at the center is that of a large family, each patient there sharing in the home duties. An occupational instructor is employed at the Center one day each week, and the work is all graded according to the abilities of the individual patients, ranging from the simplest sewing to the highest type of skilled handiwork. The therapeutic aspect of the work is not lost sight of in the effort to produce articles of real commercial value and the attempt to render the center partly self-supporting. During 1923 nearly \$800 worth of the work of patients at the center has been sold, this representing the amount paid to the patients after deducting the cost of the materials. There is a very real need for just the sort of care and occupational interest that can be provided for patients in centers of the type described, but the hospital can only make a beginning at the present time. Repeatedly, cases are referred to the Social Service Department for readjustment in the community, and many times the homes to which these patients must necessarily return are such as to render improvement or recovery impossible. In cases of this kind the convalescent center, with its help to readjustment through occupation is of great value. It is hoped that the center at Hopkinton may demonstrate its benefit to patients to such an extent that with greater facilities in the future other centers of this type may be established and the field covered may thus be considerably broadened.

#### BOSTON PSYCHOPATHIC HOSPITAL.

Opened in 1912.<sup>1</sup> Present capacity, 126.

Valuation of the plant, per capita of capacity, \$5,709; real estate, \$5,430; personal, \$279.

Daily average number of patients on books, 169; in hospital, 82; on visit or escape, 87.

Number on books Oct. 1, 1923, 142; in hospital, 66; on visit or escape, 76.

<sup>1</sup> As a department of the Boston State Hospital. Became separate hospital in 1920.



All admissions, 1,857.

Admissions as insane, exclusive of temporary-care cases, 225.

First cases of insanity, 187.

Voluntary admissions, 129.

Temporary-care admissions, 1,566.

### *Finances.*

Expenditures from maintenance funds, \$209,159; total receipts, \$13,850, being \$8,520 from private patients, \$3,246 from reimbursing patients, \$2,084 from other sources.

Weekly per capita cost of maintenance computed on net expenses, \$50.92.

Weekly per capita cost of whole service, \$30.85; ward service, \$7.72.

One person employed for every 0.67 patients; 1 nurse for every 2.05 patients.

Average monthly wage for all persons employed, \$90.29; for nurses, \$68.95; male ward service, \$62.19; female ward service, \$76.62.

### *Extract from Trustees' Annual Report.*

The appended reports of the Director and his colleagues reflect something of the splendid work which we have occasion to observe.

We see clearly the great human need that exists for better understanding of mental troubles of all sorts and we particularly cherish the fact that side by side with the treatment of symptoms and diseases there is a steady attempt to get at fundamentals for understanding the disorders of mental life. The members of the staff of the hospital are in this respect finely imbued with the best ideals of their profession.

In these pages and also in the life and work of the hospital as directly seen by us there is much evidence of industry, of courageous attack upon extremely difficult problems, and of admirably sympathetic approach to some of the deepest of human tragedies. And running through both the day's work and the year's report there is proof of the existence of splendid loyalties and team work.

### *Extracts from Director's Annual Report.*

#### *Patients with Serious Bodily Ailments.*

A large number of patients admitted to the Boston Psychopathic hospital have in addition to their mental symptoms bodily ailments of the same nature as those which are treated in general hospitals. Owing to the complication of the bodily ailment with mental confusion or excitement or morbid ideas or hallucinations, the patient is not admitted to a general hospital, or he may have been transferred from a general hospital owing to the development of the above symptoms. So long as general hospitals have no special service for patients with mental disorder, such a transfer to a psychopathic hospital will be necessary; but when, in the course of time, physicians and nurses shall, in their curriculum, have had adequate psychiatric training, many patients will remain in the wards of a general hospital who are at the present time transferred to a psychopathic hospital.

One need not refer to cases of pernicious anæmia, tumor of the stomach, pneumonia, genito-urinary disease, rabies, etc., but may refer to one group of surgical cases with its own special problems, namely to cases where there is actual or suspected damage to bones and joints. Cases of suspected fracture are not infrequent, specially in cases of depression where the patient, previous to admission, has made an attempt at suicide. The surgical condition is of considerable importance to the patient in relation to his later economic efficiency. True economy requires that the equipment needed for the diagnosis of such cases be completely satisfactory; the recent provision of a technician in the X-ray department has enabled the X-ray apparatus to be used more extensively than before, but the roentgenologist finds that satisfactory results cannot be obtained unless a connection is secured with the outside current supplied by the Edison Electric Company.

The aim of the staff is to insure for the mental patient, who has a fracture, the same facilities for diagnosis, which are at the disposal of those who are mentally sound. In this work the cooperation of the consulting orthopaedist is very highly appreciated.

Among those cases which require special coordination of clinical and detailed laboratory studies is a group of patients, who present no acute medical or surgical condition, but whose health is undermined by subtle changes in the glands of internal

secretion, of which the thyroid gland is the most familiar. The vast importance of these glands has only been recognized in comparatively recent years, and this recognition of their importance has led to an orgy of hypothesis and of treatment, the scientific basis for which is still very imperfect. The steady accumulation of accurate data in regard to the influence of these glands on temperament and character, as well as on the simpler bodily functions is a task which is being steadily pursued in the hospital, and to which the Chief Medical Officer is devoting much time and thought.

To illustrate the range of interests represented at the Boston Psychopathic Hospital one may pass from these cases with their very obvious medical aspect to a group of cases at the other extreme, where the simple problems of internal medicine play a vanishing rôle, while the difficulties dealt with are so near to familiar problems of domestic and social adaptation, that the necessity of a systematic and detailed analysis of their origin is frequently not recognized. The study and treatment of the patient involve the study of a complex situation, and a wide family group may benefit from what statistically appears as the treatment of one individual.

### *On the Forms of Report Rendered to Various Organizations.*

In making reports to social organizations, physicians, schools or parents on patients with delinquent behavior the issue is one of health (conceived adequately as the health of the total individual), and the practical steps to be taken are to a certain extent under the control of the physician, the goal being the elimination of undesirable reactions and the development of the constructive forces in the personality. The attempt is therefore made in all such reports to lay stress on the actual reactions observed and on the mechanisms, which explain these reactions, rather than on terms of formal diagnosis, which while pleasing are apt to have a soporific effect on thought.

In the case of patients under the jurisdiction of the courts, other issues are introduced, the disposal of the case is no longer under the control of the physician but is determined by complicated extra-medical considerations. The disposal of the case may have to be determined according to certain rules and statutes and precedents, and these statutes and precedents may have been formulated in terms which are no longer applicable to the real facts of life. Thus the term "insanity", which has practically no use as a medical term, save the significance of a disorder, which requires the patient to be treated in a State Hospital or under conditions with analogous facilities and safeguards, may have in the special situation to be interpreted in the light of the famous McNaughten decision.

The formulation of a case of sickness in terms with such a connotation, is as reasonable as the formulation of a case in terms of "hysteria" or "melancholia," should the mediæval connotation of these terms be insisted on. Words exercise a marked tyranny over human thought; the use of such a term as "insanity" inevitably brings with it the tendency to consider it as something definite with an existence of its own, a solid disease which like an evil spirit possesses the individual and which has to be exorcised. While we are sufficiently modern to have substituted glandular extracts (although here too a mediæval element survives) and drugs or surgical treatment for exorcisms and incantations, we have not altogether emancipated ourselves from the mediæval attitude to mental disorder, and certainly not from the tyranny of words. The term "insanity" is by many supposed to represent as definite a morbid process as the term typhoid fever, and to be a more or less static condition.

How far "insanity" is from being a static condition may be seen in the transitory episodes of the epileptic, in many cases of alcoholic excitement, and in unstable individuals under conditions of peculiar emotional stress and strain.

### *On the Problems Presented by Children.*

During the course of the year many children have been studied at the Boston Psychopathic Hospital, chiefly in the out-patient department, and there is no phase of the work at the hospital which is considered of greater importance. The problems presented by these children vary widely but many can be grouped under (1) school difficulties, based on mental retardation, either acquired or congenital; (2) disorders of conduct of various type. Among the symptoms found in this second group are truancy and wandering from home, pilfering, lying, tantrums, cruelty, various forms of sexual activity; (3) in a third group are children presenting evidence of nervous instability, but in whom there is no evidence of mental defect, nor any disorder of conduct such as those referred to above. Among the symptoms met in this group may be mentioned disorders of sleep, bed-wetting, tics, morbid fears, minor attacks, disorders of speech.

During the past few years a number of cases of lethargic encephalitis in children have been studied, and a systematic review of these cases is being undertaken in order

to ascertain the later results of this disease, which has only been familiar here in the last five years.

In the study of the children the psychological department offers the greatest assistance, working in close contact with the medical staff; the report of the psychologist is not a mere statement of "Mental Age" or "Intelligence Quotient," but a brief summary of the actual findings, which calls attention to the special abilities or disabilities demonstrated.

The cooperation of the Sick Children's hospital makes it possible to have a thorough pediatric review of the physical condition, whenever some special indication makes this desirable.

The study of an individual child, to find the hidden source of neurotic symptoms or of erratic behavior, is a prolonged affair, and usually requires repeated visits to the out-patient department.

The treatment of the child, which usually involves the modification of many factors in the situation is also a complicated matter.

Here again it may not be out of place to emphasize the fact that the study and treatment of the individual child have an influence on a number of people in contact with the child, and bring before the social worker important principles of child psychology.

### *On the Number of Patients Cared for.*

In the preceding sections, the attempt has been made to give very briefly a concrete picture of some of the work done in the wards and in the laboratories, so that bloodless statistics and classifications might get some life. The statistics, however, give some indication of the extent of the problem; although the hospital has only 110 beds, almost 2,000 patients are admitted annually to its wards. The study and treatment of these patients, as has been emphasized, have to be compared with the like medical activities in a general hospital, and the expense is obviously very much higher than that of caring for large groups of chronic patients, which forms such an important part of the responsibility of the ordinary state hospital. In addition to the large number of patients treated in the wards of the hospital, one has to consider approximately 1,000 patients who receive advice and treatment in the out-patient department. This department under the direction of Dr. Peck maintains a high level of efficiency, and constant thought is given to methods for making the out-patient diagnosis and treatment as systematic and thorough as the special conditions of this type of medical consultation allow. The progress achieved during the past year has been most gratifying.

### GRAFTON STATE HOSPITAL.

Opened in October, 1877. Present capacity, 1,154.

Valuation of the plant, per capita of capacity, \$1,449; real estate, \$1,244; personal, \$205.

Daily average number of patients on books, 1,502; in hospital, 1,448; in family care, 7; on visit or escape, 47.

Number on books Oct. 1, 1923, 1,507; in hospital, 1,454; in family care, 11; on visit or escape, 42.

All admissions, 26.

Admissions as insane, exclusive of temporary-care cases, 26.

First cases of insanity, 18.

Voluntary admissions, 1.

Temporary-care admissions, none.

### *Finances.*

Expenditures from maintenance funds, \$513,707; total receipts, \$17,875, being \$1,825 from private patients, \$10,404 from reimbursing patients, \$5,646 from other sources.

Weekly per capita cost of maintenance computed on net expenses, \$6.74.

Weekly per capita cost of whole service, \$3.04; ward service, \$1.04.

One person employed for every 6.19 patients; 1 nurse for every 14.81 patients.

Average monthly wage for all persons employed, \$81.24; for nurses, \$66.51; male ward service, \$65.92; female ward service, \$67.13.



### MEDFIELD STATE HOSPITAL.

Opened in May, 1896. Present capacity, 1,540.

Valuation of the plant, per capita of capacity, \$1,272; real estate, \$1,131; personal, \$141.

Daily average number of patients on books, 1,780; in hospital, 1,694; in family care, 7; on visit or escape, 79.

Number on books Oct. 1, 1923, 1,774; in hospital, 1,699; in family care, 6; on visit or escape, 69.

All admissions, 55.

Admissions as insane, exclusive of temporary-care cases, 47.

First cases of insanity, 36.

Voluntary admissions, 2.

Temporary-care admissions, 24.

### *Finances.*

Expenditures from maintenance funds, \$579,823; total receipts, \$31,792, being \$2,776 from private patients, \$24,896 from reimbursing patients, \$4,120 from other sources.

Weekly per capita cost of maintenance computed on net expenses, \$6.53.

Weekly per capita cost of whole service, \$2.78; ward service, \$1.17.

One person employed for every 6.45 patients; 1 nurse for every 12.56 patients.

Average monthly wage for all persons employed, \$77.59; for nurses, \$63.93; male ward service, \$63.87; female ward service, \$63.98.

### *Extract from Trustees' Annual Report.*

Conformity to statute requirements and individual humanitarian efforts, have constituted only the details of the work of the Trustees. Visitations to the hospital have been regular; inspections have been thorough; conferences with officers and patients have had the merit of frankness possibly only on a basis of mutual friendliness. Under the leadership of Superintendent Elisha H. Cohoon, M.D., and his capable staff, the administration of hospital activities has been so efficient that statistics compiled in accordance with Massachusetts hospital standardization, exhibit this institution favorably. We call attention to this achievement with gratification.

Occasionally it seems necessary to give support to the Superintendent in his efforts to secure from the Commonwealth some additional equipment. Our Board is unanimous in its belief that lack of such facilities as adequate occupational rooms, causes the detention in the hospital of many patients for unnecessarily prolonged periods, resulting in needless suffering and great cumulative cost. Incorporated with the report of the Superintendent, under the headings of "Maintenance" and "Special Appropriations," will be found lists of needs. We have scrutinized every item on these lists and we solicit careful consideration by those to whom the duty of recommendation for appropriation may be assigned. Attention is also invited to what we believe to be a notably good record in the management of funds appropriated in previous years for special purposes.

Steadily increasing appreciation of the requirements for successful performance of the diversified duties of the resident staff of officers has caused the Trustees to study methods of preserving the general principles of hospital management and development.

Conditions at this hospital are known to officers of the Commonwealth to be the result of modern methods administered by a progressive Superintendent, who is supported by a sympathetic Board of Trustees. These Trustees have observed various methods in several hospitals. They are now firmly attached to a policy of unfettered scientific leadership for the care and cure of the insane. When psychiatrists of unquestioned rank have definitely determined the most effective means to alleviate mental suffering and cure the mentally sick; when psychologists have determined the relation of the state of mind of physicians, executive officers, nurses and attendants to the successful application to the patients of the psychiatrists' prescriptions, then business efficiency experts may render valuable service. Such business allies might devise ways by which the needs of the patients would be most economically supplied. With unanimity we offer our loyal support to such a program.



*Extract from Superintendent's Annual Report.**Medical Work.*

The orderly routine work was conducted with perhaps fewer interruptions than usual. The acquiring of a pathologist with excellent clinical laboratory experience, served to excite a healthy interest in the physical clinical side of the work.

An effort was made to study every case of physical illness and mental illness from the laboratory standpoint as well as from the ordinary clinical standpoint and an attempt was made to attain that ideal where it is felt that every possible treatment is given to the individual case.

The Public School Clinics were carried on with the same excellent results that characterized this work last year.

We were fortunate in not having epidemics of any kind and the general health of the hospital has been good.

During the year 25 patients and employees were given major surgical attention.

Dr. George O. Clark of the consulting staff, as usual, voluntarily responded and performed the majority of these operations. Other surgical work was conducted by Dr. Harold Tobey, Dr. Ernest Hill, and Dr. Jason Mixter.

*Training School for Nurses and Employee Problem.*

The usual difficulties were encountered in obtaining sufficient applicants for the training school. A class of only two was graduated but there was an average class of juniors. The increase in pay, granted June 1, has had its effect in getting more applicants for the course to begin in October. It would seem that probably the increase in pay rate will result in larger classes. The standard of the school has been maintained and there were no failures in either class taking the examination. As compared with other schools their standing was relatively high.

The number graduated each year might seem to scarcely warrant the maintaining of a school, but I am convinced that the fact that a school is being conducted goes a great way toward keeping up the standard of the whole nursing service.

During the early and late spring there were indications that it would be very difficult to obtain an adequate force of ward employees, both from the standpoint of numbers and quality. The material increase in the pay rate certainly was a boon and since June 1, when this went into effect, the help situation as it relates to the wards, domestic and dining room and kitchen services has greatly improved. We are now enabled to actually select and there has been a corresponding improvement in the general morale and standard of care.

The one department where great difficulty was experienced in keeping an adequate quota was that of repairs. The higher rate of wages obtaining outside for carpenters, masons and painters caused us to lose some of our oldest and best mechanics and the repair work correspondingly suffered. Unless outside conditions change very soon I believe it will be necessary to increase the pay schedule for mechanics if we expect to keep the repair work of the hospital up to standard.

*Farm, Garden and Grounds.*

During the year 1922, there was such an excessive fall of rain that it interfered with the growth and care of some of the farm and garden crops. During the past year there were drouth conditions, yet despite this the results from the farm and garden have been very good. Hay and corn were not large crops but there was an unusual crop of potatoes. Aside from onions the garden products were up to the average in yield. On the whole, our farm activities have resulted in a material saving to the State.

*GARDNER STATE COLONY.*

Opened in October, 1902. Present capacity, 841.

Valuation of the plant, per capita of capacity, \$1,241; real estate, \$985; personal, \$256.

Daily average number of patients on books, 923; in hospital, 852; in family care, 48; on visit or escape, 23.

Number on books Oct. 1, 1923, 969; in hospital, 893; in family care, 46; on visit or escape, 30.

All admissions, 66.

Admissions as insane, exclusive of temporary-care cases, 50.

First cases of insanity, 39.

Voluntary admissions, 1.

Temporary-care admissions, 28.

### *Finances.*

Expenditures from maintenance funds, \$320,227; total receipts, \$14,485, being \$3,908 from private patients, \$5,013 from reimbursing patients, \$5,564 from other sources.

Weekly per capita cost of maintenance computed on net expenses, \$6.67.

Weekly per capita cost of whole service, \$3.15; ward service, \$1.08.

One person employed for every 6.11 patients; 1 nurse for every 13.91 patients.

Average monthly wage for all persons employed, \$79.45; for nurses, \$62.92; male ward service, \$63.42; female ward service, \$62.06.

### *Extract from Trustees' Annual Report.*

During the year the Board has met with an irreparable loss. Dr. Herbert Howard, the Chairman of the Board, died suddenly at Lynchburg, Virginia, March 6, 1923, in the sixty-eighth year of his age. Dr. Howard had been connected with the public and private institutions of Massachusetts nearly the whole of his life since graduation from the Medical School. He had been Superintendent of the State Infirmary at Tewksbury, the Resident Physician of the Massachusetts General Hospital, Superintendent of the Peter Bent Brigham Hospital, member and Chairman of the State Board of Insanity, and Chairman of the Trustees of the Gardner State Colony.

Dr. Howard had been connected with the work of the State Colony from the very inception of the plan for its foundation. He was largely concerned in selecting the site of the Colony, the separate parcels of which were bonded and later purchased by Mr. George N. Harwood, of our Board. Dr. Howard's wisdom and great experience have been given freely to the Commonwealth of Massachusetts in many directions, but the outstanding proof of it is this fine institution at Gardner. The Trustees wish to record their grief and sense of the very great loss in Dr. Howard's death.

Dr. Frederic A. Washburn has been appointed by Governor Channing H. Cox to the vacant place on the Board.

During the year our new Hospital has been completed and open for patients. It is a most valuable unit of our buildings. It has already been a great relief and comfort to our patients and officers. The new laundry, which also has been completed and is in use, proves very satisfactory. A considerable section of new road between the Colony and the City of Gardner has been built by cooperation between the City and the Institution. The occupation of the new laundry has made it possible for us to start the changes in the domestic building. These are well under way and we should soon have our enlarged kitchen, bakery and dining rooms.

The Colony has had a very trying time this Summer and Fall because of lack of water. There has been risk from fire, and the supply at one time was so low that the necessary economy in the use of water endangered the comfort and health of the patients. The ordinary supply of water of the Colony is insufficient and in time of drought this is reduced to an alarming degree. The Trustees have called attention to this matter in their annual reports of 1920 and 1921, and have repeatedly urged the situation upon the central authorities in additional communications. It is earnestly hoped that there will be no failure to provide the necessary connection with the Gardner or Ashburnham water supply this coming Spring.

Next to an adequate water supply the most pressing of these needs is the second on our list. It is very important for the comfort and happiness of our patients that this request should be granted. The colony now has an Infirmary building for men and one for women, holding about one hundred and seventy-five patients each. Patients committed directly from their homes to the Gardner State Colony, of whatever type they may be, must be taken into these buildings. Patients transferred by other hospitals are admitted here until study enables us to classify them. In addition, patients in our Colony groups who become for one reason or another unsuitable for the colonies must be cared for in these Infirmary buildings. The aged and the infirm must be housed here. We have here, then, all types from the quiet recoverable kind to the chronic disturbed type. The aged and infirm and less troublesome patients should not

be kept in the same building with the semi-disturbed patients. It is not fair to them so to do. It is for these reasons that we earnestly recommend that we be granted the second of these requests. If it is impossible to give both buildings at the same time, at least let us have one during the coming year.

*Extract from Superintendent's Annual Report.*

In submitting this report of the year I would review briefly the general development of the Colony thus far, considering the purposes and expectations expressed at the time its origin was conceived by the Commission appointed in 1898 to consider the state-wide problem of the care of the mentally ill and defective in Massachusetts, which leads to a consideration of the development which followed during the ensuing years since its establishment in 1900, and its opening in 1902 to the present year, to a review of the work of the present year and a statement as to future development.

This review has repeatedly suggested itself to me because of the death of our Chairman, Dr. Herbert B. Howard which occurred on March 6. It is well to note that Dr. Howard more than any other, early saw the advantages of a colony, and not only urged this as a member of the Commission appointed in 1898, but eventually selected the site upon which our Colony was built. Dr. Howard's interests were state-wide, but as keen as any was his interest in the Gardner Colony. I have never known a better informed hospital executive. One never gave more willingly of his knowledge and broad experience than he. The State has lost a citizen and hospital administrator of the highest type, the Colony the benefit of his association and wise counsel, while those of us who knew him best feel that we have lost one of the best of friends.

*The Colony System,*

as recommended by the Commission in 1898, very clearly stated in considerable detail the needs of the State at large, the Colony system being recommended as merely one part of the program. The full report shows in the light of subsequent state-wide development, the keen insight the members of this committee had and the mapping out of a plan of meeting these needs shows after these years their depth of knowledge, insight, and foresight.

The part of their report which dealt with Colony care pertained largely to the establishment of this institution and our subsequent development has closely approximated the original conception.

*The Development*

from 1902 to 1907 consisted of the construction of a central administrative group of buildings, two of which were for the reception of patients, and two colony groups from which farms were to be developed. From 1907 to the present year eight additional colony homes or groups have been added in which are housed those patients who, as a rule, are quiet, but who will need continued hospital care. About these farms have been developed, or within them occupation has been encouraged. Occupational buildings have been erected and from time to time cottages for the housing of employees. Such buildings have been erected by our own labor.

Previous to 1919 patients were received, by transfer only from other hospitals, but in addition to this the Colony is now a reception hospital for its prescribed district, and this year has received approximately the same number by direct admission as by transfer. The reception of patients direct from their homes has served materially to stimulate the interest in the general medical service without lessening of interest in those patients suffering from a more chronic type of mental illness, indeed, I believe it is helped by it.

*Progress Made.*

Occupation as treatment was one of the principal reasons for the establishment of this Colony. From the first this has been our chief interest that the individual patient might benefit thereby, and that all might benefit from the result of their combined efforts. Productive occupations for adults have always, with us, aroused greater interest than sense or senseless training. Making something to be used (as cloth, clothing, furniture, etc., raising farm products) is a normal occupation and is of the same and frequently greater value to our patients than to those persons in the community who are regularly engaged in these constructive efforts. In addition to our industries and occupations of previous years, we have added weaving of sheeting, making of games, toys, puzzles, etc. Sheep raising has been stimulated and from this



we are now receiving creditable returns in meat and wool. We have made from the wool our blankets, sweaters, shawls, mittens, etc. Co-operating with the Department of Mental Diseases, printing has been further developed. A larger room has been set aside for this, two larger presses installed and we are undertaking to do all printing for the fifteen hospitals under the Department. Pottery has a special appeal for many and this is being developed along practical lines.

Mention is especially made of creative occupations from which the Colony and the individual benefit directly and indirectly for the reason that we believe so strongly in this. Diversional and invalid occupations, do, however occupy an important place in treatment and have been utilized as formerly.

Cures directly resulting from any occupation or diversion are not easily obtained and should not be rashly claimed. It is not easy to demonstrate improvements in those whose disease tends to progressive deterioration as directly and only due to occupational treatment. Improvement seen is frequently the result of a number of methods of treatment all of which have been beneficial. It is, nevertheless, clear that individuals who are regularly occupied and whose interests are stimulated have less tendency to indulge in abnormal activities, are more normal in their behavior and personal care and are better physically. It is, therefore, only fair to claim that the deteriorating agencies, so little understood, must be thereby to a degree counteracted.

### *The Future*

development of the Colony in order that it may become, in fact, a district hospital serving in full the needs of the district, but still retain Colony features, would seem to require extension in two directions: A. Provision should be made for proper classification of those we now have and those who are to be admitted. B. Extension of the Colony plan for additional numbers.

A. At present those who are admitted are of necessity received in the hospital building intended for the sick or in the Infirmarys in which classification is already unsatisfactory. Two buildings for those requiring special treatment because of their active mental condition would remove from the Infirmarys those who now serve to disturb those recently admitted, the infirm, and the otherwise quiet. If this provision were made the present Infirmary buildings would serve as such, but to them could be admitted the new patient of the quiet type. Eventually, a reception service should be provided equipped for the treatment of acute mental illnesses of all types, thus allowing the Infirmary buildings to accommodate only the infirm, the number of which is steadily increasing.

Two additional buildings accommodating ten each, similar to two we now have, would permit of proper treatment of the acutely disturbed. It is not fair to any type of patient that they be cared for in the Infirmary buildings as classified at present.

B. Additional Colonies: The simple comparatively inexpensive type of Colony buildings we now have serve admirably for the care of the quiet continued care cases. As the need of the State for greater accommodation of numbers demands it, other Colony buildings may very readily be added at a low cost and without appreciably increasing the general official organization. The ultimate number of such colonies would be limited only by the need of additional provision, not by lack of suitable building sites.

### *School Clinics.*

Examination of School Children whose names have been submitted by the Superintendents in our district as three years retarded, has been carried on in Fitchburg, Gardner, Ashby, Lunenburg, Townsend and Winchendon. The total number of cases examined was 119. Of these, 116 were found by intelligence tests to be three or more years retarded. Reports were sent to the school superintendents on all cases with recommendations as to their grade classification and physical handicaps. The percentage of cases without handicaps has been practically nil. In the above towns we have received good cooperation especially after the work was in progress and the superintendent more thoroughly understood its scope. There are, however, apparently because of misconceptions on the part of the superintendents or because they have no room to care for special classes, a few districts in which we have been unable to make a survey. In isolated cases some superintendents have been unwilling to submit names of children who are manifestly retarded for fear of offending the parents. We feel, however, it is only a matter of time when full cooperation of both parents and local school authorities will be general.



## FOXBOROUGH STATE HOSPITAL.

Opened in February, 1893. Present capacity, 649.

Valuation of the plant, per capita of capacity, \$2,179; real estate, \$1,893; personal, \$286.

Daily average number of patients on books, 649; in hospital, 564; on visit or escape, 85.

Number on books Oct. 1, 1923, 661; in hospital, 569; on visit or escape, 92.

All admissions, 150.

Admissions as insane, exclusive of temporary-care cases, 131.

First cases of insanity, 102.

Voluntary admissions, none.

Temporary-care admissions, 67.

*Finances.*

Expenditures from maintenance funds, \$309,614; total receipts, \$19,099, being \$4,926 from private patients, \$12,178 from reimbursing patients, \$1,995 from other sources.

Weekly per capita cost of maintenance computed on net expenses, \$10.48.

Weekly per capita cost of whole service, \$4.51; ward service, \$1.45.

One person employed for every 4.49 patients; 1 nurse for every 11.19 patients.

Average monthly wage for all persons employed, \$87.90; for nurses, \$70.64; male ward service, \$70.72; female ward service, \$70.56.

## MENTAL WARDS, STATE INFIRMARY.

Opened in October, 1866. Present capacity, 673.

Daily average number of patients on books, 726; in hospital, 723; on visit or escape, 3.

Number on books Oct. 1, 1923, 725; in hospital, 712; on visit or escape, 13.

All admissions, 37.

Admissions as insane, exclusive of temporary-care cases, 37.

First cases of insanity, 33.

Received by transfer, 16.

## BRIDGEWATER STATE HOSPITAL.

Opened in September, 1866. Present capacity, 908.

Daily average number of patients on books, 877; in hospital, 862; on visit or escape, 15.

Number on books Oct. 1, 1923, 899; in hospital, 876; on visit or escape, 23.

All admissions, 79.

Admissions as insane, exclusive of temporary-care cases, 79.

First cases of insanity, 65.

## MONSON STATE HOSPITAL.

Opened in May, 1898. Present capacity, 967.

Valuation of the plant, per capita of capacity, \$1,064; real estate, \$826; personal, \$238.

Daily average number of patients on books, 1,239; in hospital, 1,109; on visit or escape, 130.

Number on books Oct. 1, 1923, 1,247; in hospital, 1,089.

All admissions, 174.

Insane admissions, 17.

Sane epileptics admitted, 157.

First cases of epilepsy, 120.

*Finances.*

Expenditures from maintenance funds, \$372,640; total receipts, \$19,408, being \$9,228 from private patients, \$7,980 from reimbursing patients, \$2,200 from other sources.

Weekly per capita cost of maintenance computed on net expenses, \$6.44.

Weekly per capita cost of whole service, \$2.95; ward service, \$1.24.

One person employed for every 6.18 patients; 1 nurse for every 12.48 patients.

Average monthly wage for all persons employed, \$79.07; for nurses, \$67.51; male ward service, \$65.39; female ward service, \$70.17.

The general statistics for the year are as follows:

*Movement of Patient Population for Year ending Sept. 30, 1923.*

	INSANE.			SANE.			TOTALS.		
	Males.	Females.	Totals.	Males.	Females.	Totals.	Males.	Females.	Totals.
1. Patients on books of institution Sept. 30, 1922									
Admissions during year:									
(a) First admissions	176	164	340	441	458	899	617	622	1,239
(b) Readmissions	9	6	15	59	46	105	68	52	120
(c) First admissions temporary care	1	1	2	37	14	51	38	15	53
Total admissions	10	7	17	96	61	157	106	68	174
(d) Transfers from other institutions for the insane	4	2	6	—	1	1	4	3	7
2. Total received during year	14	9	23	96	62	158	110	71	181
3. Total under treatment during year	190	173	363	537	520	1,057	727	693	1,420
Discharged from books during year:									
(a) As recovered	—	—	—	—	—	—	—	—	—
(b) As improved	3	—	3	38	22	60	41	22	63
(c) As unimproved	—	1	1	9	14	23	9	15	24
(d) As not insane	—	—	—	—	—	—	—	—	—
(e) Transferred to other institutions for the insane	—	—	—	—	1	1	—	1	1
(f) Died during year	14	9	23	39	23	62	53	32	85
4. Total discharged from books during year	17	10	27	86	60	146	103	70	173
5. Patients remaining on books of institution Sept. 30, 1923	173	163	336	451	460	911	634	623	1,247

*Extract from Trustees' Annual Report.*

The acquisition of four cottages for physicians has helped us very much toward insuring that continuity of service of assistant physicians, so necessary for best results. The main difficulty we now are experiencing is not new, except in degree: It is overcrowding. We have had too little room for housing of patients for some time, but, realizing the inopportuneness of the past two or three years, have refrained from making harassing requests for funds during that period when retrenchment was being attempted along all lines.

It now seems, however, that we soon must have more room; that another building for patients is urgently needed. We think the building should be one of capacity to care for at least 100 patients. Such a building could be used as a receiving hospital for the use of both male and female patients. Patients could be received and for a time domiciled in this receiving hospital until a study of their cases was completed and a satisfactory classification made. On the completion of this study and classification they could be sent to their proper places for care and treatment. We think this building will not only relieve the overcrowding but will add a very desirable unit to our group and that it will effect an economy in operation and be a benefit to our charges.

*Extract from Superintendent's Annual Report.*

The average number of patients during the hospital year has been 1,108.88; the number of patients admitted 174; the number of deaths 85; the average number of patients who have been out on a visit during the year 130.80.

The laboratory has been in charge of Dr. Leslie H. Wright, Pathologist, who has carried out some important research work in addition to the ordinary laboratory routine.

The out-patient work has been carried on during the past year and the scope greatly enlarged.

The general health of the patients has been good during the past year.

## MASSACHUSETTS SCHOOL FOR THE FEEBLE-MINDED.

Opened in October, 1848. Present capacity, 1,498; at Waltham, 1,183, at Templeton, 315.

Valuation of the plant, per capita of capacity, \$991; real estate, \$823; personal, \$168.

Daily average number of patients, 1,555.

Number Oct. 1, 1923, 1,576.

*Finances.*

Expenditures from maintenance funds, \$541,892; total receipts, \$18,905, being \$9,437 from private patients, \$6,015 from reimbursing patients, \$3,453 from other sources.

Weekly per capita cost of maintenance computed on net expenses, \$6.70.

Weekly per capita cost of whole service, \$2.92; ward service, \$1.38.

One person employed for every 6.35 patients; 1 nurse for every 10.34 patients.

Average monthly wage for all persons employed, \$80.53; for nurses, \$62.16; male ward service, \$62.87; female ward service, \$61.31.

The general statistics for the year are as follows:



	Males.	Females.	Totals.
Number present Sept. 30, 1922 . . . . .	947	658	1,605
Admitted during the year . . . . .	384	164	548
School cases . . . . .	71	31	102
Custodial cases . . . . .	138	83	221
By transfer . . . . .	—	1	1
From visit . . . . .	109	43	152
From escape . . . . .	3	—	3
Nominal admission from visit . . . . .	51	6	57
Nominal admission from escape . . . . .	12	—	12
Whole number of cases within year . . . . .	1,331	822	2,153
Dismissed within the year . . . . .	402	175	577
Discharged . . . . .	81	16	97
Capable of self-support . . . . .	21	4	25
Improved . . . . .	39	5	44
Not improved . . . . .	14	4	18
No change . . . . .	7	3	10
Died . . . . .	14	10	24
Transfer . . . . .	122	91	213
On visit . . . . .	174	58	232
On escape . . . . .	11	—	11
Number present Sept. 30, 1923 . . . . .	929	647	1,576
State . . . . .	913	637	1,550
Private . . . . .	16	10	26
Daily average number of patients for the year . . . . .	909.70	645.85	1,555.55
Number at school Sept. 30, 1923 . . . . .	685	647	1,332
Number at Templeton Sept. 30, 1923 . . . . .	244	—	244
Applications for the year . . . . .	—	—	671

*Extract from Trustees' Annual Report.*

Early in the year the trustees succeeded in purchasing a large meadow between Eliot and Brook Colonies at Templeton, thus eliminating the chance of an objectionable neighbor in the midst of our property. It was paid for from the funds of the Corporation as no appropriation was available.

We have begun paroling under the provisions of Chapter 337 of the Acts of 1922 described in our last report. Agreements have been prepared to be signed by the child and the parents, and one by the superintendent stating that the individual is paroled by the trustees. The latter acts as a permit for the parole, and having the child sign something has a good effect upon him.

The Christmas festivities were unusually good and there was much interest through the long winter in out-of-door sports, skiing, coasting and skating. The children look forward with keen anticipation to the celebrations that come from time to time during the year — and they are all very happy while they last. We do not think we can refer too often to the beneficial effect upon our inmates of the personal interest the doctors, teachers and attendants give to these children deprived of the blessings of home life — which too often the normal child takes as a matter of course. Competition in sports and in industrial pursuits, has the same interest for these boys and girls that it does in life at large. It differs in degree. Our showing in industrial pursuits has fallen off somewhat since the war and the coming of parole. The brighter ones are missing for they are out on parole.

Despite our handicaps much progress has been made in the year. One of the most interesting, satisfactory and valuable industries is the canning plant, details of which will appear in the superintendent's report. We often wonder if the careful planning and the successful work which results in an institution like this, is appreciated or even recognized by the public at large. The quiet, unostentatious daily training of these inmates of low mentality results in saving many thousands of dollars to the taxpayers of the State. When we read the Statistics of how much is expended by the Commonwealth in the care of its dependents, we doubt if many realize how much more would be needed but for the conscientious and effective service of the heads of these Institutions. Like the debt we owe to the faithful and efficient teacher in the public school is the debt we owe to the men and women who try to make useful members of the Community, the inmates of our State Schools.

Since July 1st we have had many distinguished visitors from eighteen of the States of the Union extending from New York to California, from five foreign countries and from Canada. We all remember the impression made upon the British Commission several years ago when it spent considerable time at the School and at the Templeton Colony.

The Massachusetts School for the Feeble-Minded is more than an institutional collection of buildings for the care of the Feeble-Minded. Its needs are more than food, clothing and housing accommodations for its inmates. It was the pioneer in the proper care of the Feeble-Minded. It is today turned to from at home and from abroad, for advice and assistance in the problems which it has mastered.

*Extract from Superintendent's Annual Report.*

*Transfers to the Belchertown State School.* — During the year 143 patients were transferred to the Belchertown School; 91 females in March and 25 females and 27 males in October. The homes of these patients are in the western part of the State. Many of these were of our older settled patients, splendid working boys from Templeton Colony, and efficient, docile boys and girls from Waverley. Many of them had been at the School for many years.

The discharge of many adult working patients and younger adjusted boys and girls and the admission of 350 persons, mostly children, untrained and more or less uncontrolled, have made this a very busy year. Our Schools are filled with pupils who have had little training or control. Many have been mischievous and resentful of authority at home. They are beginning at the very bottom of the school ladder. Few are now able to do anything except the most elementary manual work in the industrial department. But they are already interested and promising and will soon be proud of their accomplishments. The quality and efficiency of our population is still further reduced by the parole of so many of the trained older pupils. We dismiss our successes and naturally accumulate those not so successful. The most promising and well-behaved defective children are now kept at home to attend the special classes in the various cities and towns. We advise and encourage this arrangement. The troublesome and difficult ones are sent to the State Schools. Our task is to make the most of this waste product of human life, to make them as happy as possible, to keep them well physically and to develop them to the limit of their natural endowment.

We have ample playgrounds and the children spend the most of their life out-doors. They live in clean, warm and well ventilated buildings; they have good clothing and comfortable beds; they have an abundance of good food. Our herd of 85 tubercular free cows furnish over one ton of clean fresh milk each day. Our farms, gardens and orchards furnished large quantities of summer and winter vegetables and fruit this year. We raised 789 barrels of apples, 6,000 bushels of potatoes, etc. Our cannery this year put up 11,513 gallons of vegetables which will greatly vary and enrich the patients' dietary until the next harvest.

*After-Care and Social Service.* — The Social Service Department of the School gives as much supervision and assistance as possible to former patients of the School who are now at liberty in the community.

One hundred and eleven males and 38 females, a total of 149, have been formally paroled under the Parole Law of 1921. Practically all of these are at work for regular wages. They all report to the School at regular intervals. They are very glad to come back and proudly tell about their work, wages, savings, etc. Almost without exception they are conducting themselves properly. A few younger boys, perhaps too young for parole, with innately mischievous tendencies, have been troublesome at home but have committed no serious offenses. Two of the girls, with previous immoral experiences, have disappeared. The others have done well. The parole principle has fulfilled our expectations thus far.

There are 86 patients at home on visit and on trial, absent less than one year, who have been given as much oversight as possible. Many of them will probably make a satisfactory adjustment at home and will remain there and will be discharged. Others will be paroled and remain for a long time under the supervision of the School. No attempt will be made to retain those who are doing well and have good homes.

During the year 316 former patients who have been discharged have been visited, their families and friends interviewed, and appropriate advice and assistance given. These patients and their families almost invariably are glad to see the visitor from the school and are grateful for the interest shown in their welfare.

The homes of the patients where friends wish to take them out for the summer vacation are visited to determine the suitability of such a vacation. Last summer 460 such requests were made and 369 patients were given a vacation. Of these all but 35 were promptly returned.

Altogether our social service visitors made 1,040 visits in connection with the community care of the patients in the above groups. They also procured the social histories of all the patients examined in the Waverley Out-Patient Clinics and have made all the detailed arrangements for the School Clinics in the various cities.

The continuing friendly interest of the visitors from the School seems to be a very potent factor in making it possible for these boys and girls to support themselves happily in the community instead of being supported permanently at State expense.

*Social Service for Applicants for Admission.* — All the applicants for admission are now referred to the social service division of the Department of Mental Diseases and are regularly visited and advised and assisted by trained visitors from that Department. So that now to merely ask for admission to the School ensures that the State will provide much needed oversight until they can be admitted or until they are properly adjusted at home.

*Waverley Out-Patient Clinic.* — The Out-patient Clinic held at Waverley on Thursday of each week dealt with 681 patients during the year; 337 new patients were examined, and diagnosis was made and detailed advice given; 155 patients returned for subsequent visits; advice was given by letter and telephone in 191 cases.

Of the 337 new cases thoroughly examined, the following diagnosis was made:

Feeble-minded . . . . .	247
Not feeble-minded . . . . .	62
Diagnosis deferred . . . . .	28
	<hr/>
	337

Of the 247 diagnosed feeble-minded, other conditions were seen as follows: 16 were of the "Mongolian" type of defect; 10 were delinquent; 8 were microcephalic; 8 were epileptic; 6 were hydrocephalic; 6 were psychotic; 6 were syphilitic; 5 showed difficulty with ductless glands; one was a cretin and in one the mental defect followed an attack of "Sleeping sickness".

Of those diagnosed as not feeble-minded, two were superior normal persons; 28 were normal; in 8 the abnormality of the ductless glands was the principal diseased condition; 3 were epileptic; 3 were insane, 16 were inferior or backward rather than feeble-minded and in 2 cases it was a question of behavior and not of mentality.

The advice given was as varied as the patients themselves. In general the parents or guardians were advised as to the details of home care and training and general social supervision. In many cases letters were written to the teachers of the children indicating the level of school work which would be reasonably expected. Special medical care was often recommended. The most important thing is to have the parents understand the boy or girl and not expect too much.

*School Clinics.* — The "Traveling School Clinic" of this school has examined 1,568 retarded pupils in the public schools of the twelve cities and towns assigned to our school, as follows: Danvers, 53; Fall River, 256; Gloucester, 31; Lawrence, 114; Lowell, 76; Lynn, 34; New Bedford, 307; Revere, 157; Salem, 68; Waltham, 109; Watertown, 65; Worcester, 298.

The diagnosis of 1,568 pupils examined was as follows: Feeble-minded, 1,122; Backward or borderline, 149; Diagnosis deferred for later examination, 221; Not feeble-minded, 76.

The above very inadequately describes the great variety of mental, physical, moral and emotional problems which were found in this group of children who were three or more years retarded in the public schools.

Forty-one presented definite symptoms of inadequate functioning of the ductless glands; twenty-four were markedly neuropathic; eighteen were diagnosed as constitutional psychopathic inferiority; nine were epileptics; four were of the Mongolian type of defect; four had chorea; five were apparently developing actual mental disease; two were insane, in both cases from injury in automobile accident; two were hydrocephalic; two were cretins; two were hemiplegic; one was suffering from "Sleeping sickness".

It is worth noting that among this large number examined, only thirty were reported as being markedly delinquent, and of these only five presented imminent sex problems.

Almost without exception these 1,568 pupils needed expert medical attention, for the treatment of impaired nutrition, for trouble with eyes, ears, throat, teeth, for the treat-



ment of nervous conditions, enuresis, tuberculosis, etc. Nearly every pupil needed instruction as to personal hygiene and habits, hours of sleeping, diet and exercise. The families were urged to refer the children to their family physician as soon as possible.

The following additional towns have recently been referred to the Traveling School Clinic of this school for the next year: Acushnet, Barnstable, Bourne, Dennis, Dartmouth, Fairhaven, Falmouth, Freetown, Mashpee, Sandwich, Somerset, Swansea, Westport, Yarmouth.

A few years ago we were concerned only with the pupils in the School who remained here for many years as a rule. From the foregoing description of this year's work it will be seen that this year the School rendered service to 4,789 mentally defective persons, as follows:

School patients at beginning of year . . . . .	1,725
Admitted during year . . . . .	350
Advised at Waverley out-patient clinics . . . . .	681
Advised in Waverley school clinics . . . . .	1,568
Paroled patients reporting regularly . . . . .	149
Former patients supervised at home by our Social Service Department . . . . .	316
Total . . . . .	4,789

The cost of the service to all these persons is included in the regular expenses of the School.

*Defective Delinquents.* — The commitment of a few male defective delinquents to the special department for defective delinquents at Bridgewater had an immediate and permanent effect upon the morale of the School. Unfortunately this provision cares only for males *over* 17 years. We have a small group of boys from 10 to 16 years who were difficult and incorrigible at home and who cannot be adequately dealt with in a school for feeble-minded. We also have a large group of female defective delinquents who do not belong here and who should be cared for in a special institution as provided by the Law of 1911. They are criminal women and girls and need a form of discipline and a sort of housing which would not be appropriate in this School. Their influence on the ordinary defective is very demoralizing.

*Clinical Teaching at the School.* — During the year 76 clinics or clinical lectures were given to physicians, teachers, nurses, social workers, medical and college students, normal school students, and other similar groups. This involves a great amount of work on the part of the staff of this School.

#### WRENTHAM STATE SCHOOL.

Opened in June, 1907. Present capacity, 1,290.

Valuation of the plant, per capita of capacity, \$1,117; real estate, \$930; personal, \$187.

Daily average number of patients, 1,228.

Number Oct. 1, 1923, 1,235.

#### Finances.

Expenditures from maintenance funds, \$470,046; total receipts, \$6,105, being \$856 from private patients, \$2,038 from reimbursing patients, \$3,211 from other sources.

Weekly per capita cost of maintenance computed on net expenses, \$7.34.

Weekly per capita cost of whole service, \$2.70; ward service, \$1.28.

One person employed for every 6.66 patients; 1 nurse for every 11.14 patients.

Average monthly wage for all persons employed, \$78.12; for nurses, \$59.28; male ward service, \$61.36; female ward service, \$57.89.

The general statistics for the year are as follows:



	Males.	Females.	Totals.
Number present Sept. 30, 1922 . . . . .	442	802	1,244
Admitted within the year . . . . .	171	158	329
By commitment . . . . .	84	80	164
By transfer . . . . .	29	41	70
From visit . . . . .	21	22	43
From escape . . . . .	11	—	11
Nominally from visit . . . . .	15	14	29
Nominally from escape . . . . .	11	1	12
Whole number of cases within year . . . . .	613	960	1,573
Dismissed within the year . . . . .	120	121	241
Discharged . . . . .	35	24	59
Transferred . . . . .	76	83	159
Died . . . . .	9	14	23
On visit Sept. 30, 1923 . . . . .	92	109	201
On escape Sept. 30, 1923 . . . . .	28	3	31
Number present Sept. 30, 1923 . . . . .	440	795	1,235
Daily average attendance for the year . . . . .	434.41	794.04	1,228.45

*Extract from Trustees' Annual Report.*

While hardly to be noted of any one year, because it is a development rather than a revolution, it is unmistakable that the place of an institution for the care of the feeble-minded in relation to the community, by which and for which it is maintained, has undergone marked change even within the period of this school's existence, and may truly be said to still be in progress. One feature of that progress has previously been commented upon in our reports. It is the understanding of the school as a place of training rather than custody. Not that this conception of the dual obligations of the institution for this class of the state's dependents was original with the establishment of Wrentham, for it had earlier origin even though the design for this school distinctly bore the marks of the constructive rather than the simply detentive purposes, but that there has been a clearly discernible shift of emphasis from restraint to training in the service to the mentally handicapped.

Actually this notion of the purpose of the state institutions is no more than a reassertion of the initial thought of that American pioneer on the treatment of the feeble-minded, Dr. Howe, and that has been upheld and exemplified in the high-minded policy of the man who has supplied to the state and the world his many years of statesman-like leadership, Dr. Fernald.

There has been secured a steady advance in policy towards the ideals of these recognized leaders. But the public thought has had to come through the development from the regard of the state's duty as one of removal of the mental unfortunates from the community to a place of confinement, up to the making that place of restraint the seat of a thorough going training of such faculties as the charges could be found to possess with a view to their usefulness and happiness and, — in the latest development of policy, — their possible return to the community with a measure of equipment for self-care and contribution to the common fund of social well-being.

The other broadening concept of such a school takes in the use of it as a radiating point of instruction and service to the community in extra-institutional help of the handicapped. The medical staff of the school comes to have another concern than that as to the care and treatment of those who are committed to it. The thought of its members reaches out to and their service comes to include, a direct contact with the people of the Commonwealth. There is established the very tangible service of the clinic, which finds its welcome place in centres of population. The talent and professional and practical training of these experts turns to account in interpretation of public purposes and in direct exposition of the personal application. By example and discussion the professional resources of the school come to the service of the community.

It is this service of the Wrentham State School which marks the latest step in the direction of greatest possible usefulness to the Commonwealth. It stimulates the greater self-reliance of the cities and towns in dealing with the problems of retardation. It aids in prevention of future burdens to the state and so it makes all the more valuable the maintenance of an ample and highly expert staff at the school. The school comes more to be regarded not as an institution set apart but as an integral part of the community.

A great gain has come to the school in the removal of the defective delinquent older boys to the Department at the State Farm. Such a school as ours, suffers enormously by the presence in its population of defectives of a distinctly criminal type. That fact was realized when they were present, before the special institution was provided. It is realized even more fully by the contrast their absence supplies.

Up to the present time the transfers of the defective delinquent number only 27 boys. That is a small fraction in an institution with 1,300 inmates. But the relief is out of all proportion to the number transferred. It is realized even beyond what was predicted that this sort of charge is a menace to the property of the state, a disturbance to the regular order, an undue absorbent of the attention of the administration, an upsetting of the morale, an interference and an influence the mischief of which does not depend upon numbers. The worst effect is that it makes it difficult for the orderly feeble-minded boys or girls to live their own lives and to gain the value that the school may be to them.

This presence, so far as Wrentham is concerned, has still to be spoken of in the present tense. The boys removed were all 17 years of age or older, owing to that being the minimum age for admission to Bridgewater. The distinction by physical age is theoretically unsound in relation to persons who are taken into the state's care on the basis of a mental age. It is practically unwarranted as experience with the same sort of boy under the age limit arbitrarily fixed painfully proves. Given, say, a nine year mental age plus a criminal slant, and it does not matter perceptibly whether it is implanted in one of a physical age of fourteen or eighteen. The outcome, in every item that makes the misplacement in a school like this objectionable, is not different in its menacing and disturbing effect. If what has been accomplished both for the boys themselves who are proved to be rightly placed in a special colony, and for the school which has profited greatly by relief from their presence, justifies the new classification, it may positively be taken as showing the importance of making provision for the physically younger boys in the same institution with the older ones or elsewhere. They are as badly and as evidently out of place in the feeble-minded school as the older ones.

The same instructive experience points the way to the segregation of the defective delinquent girls. There is the same background of disturbance and evil influence in their case, the same daily experience which compelled the removal of the boys. There is, as well, the same logic of gain to the disturbing girls to be secured by placing them where discipline can be more rigid and where the complex of a criminal disposition with a mental inferiority can have a specialized attention. As trustees of the state's interest in the school and the community problems it has to deal with, we again urge the removal of these girls and all the more strongly because we observe the gain that has come from the partial carrying out of the plan. It is essential that there should be complete detachment of such a colony from the school for the feeble-minded. In our judgment it should be completely away from the neighborhood so that there could be no possible intercourse either of inmates or attendants.

#### *Extract from Superintendent's Annual Report.*

The schools have been successfully maintained throughout the year with increasing interest on the part of both teachers and pupils with the result to be desired — that of progress by the children in all departments of the school.

The curriculum is arranged to meet the needs of the children and, therefore, has a wide range, embracing the most rudimentary sense training for the lowest grades on the one end to a modified 6th grade work at the other. Much attention is also given to physical training, woodworking, music and domestic science by teachers especially trained for these subjects.

The real hope of the defective child is to be placed in the training which he receives in the use of his hands because it is only by his hands that he is ever going to be useful either in the community or in the institution. This important phase of our educational system has been fully recognized and has been met during the year in a most practical manner by the opening of the two new industrial buildings, one for each sex. The realization of these buildings has made it possible to gather up the various industrial activities which were scattered over the institution in improvised quarters and house them in appropriate buildings and thereby give this important part of our educational curriculum the proper supervision. The improvement in this department is already noticeable.

Another important event in the development of the institution took place during the year in the addition to the plant of the new Assembly Hall. This building comprises an attractive auditorium of 1,100 seats, a large, well equipped stage with convenient dressing rooms, a first class moving picture machine with booth and curtain.

In the light, airy basement are accommodated well furnished, attractive club rooms for the employees, consisting of a general lounge, ladies' room, pool room, 2 bowling alleys, smoking room, a store and a refreshment room. This building furnishes a social center for the whole institution, — children and employees alike, with the consequent social betterment and increased happiness for all.

The farm continues to be the most valuable school activity for our boys, not only in the useful knowledge there obtained but also in the quantities of fresh produce of real value furnished by the farm.

The removal of the few adult male defective delinquents from the school has been followed by improvement in morale, happiness and general well-being in the boys' departments quite out of proportion to the number removed from the school. The adult women of this class however, as well as those under seventeen years of age of both sexes, still constitute a great menace to the institution. The presence in the institution of the comparatively small number of this class provides a constant factor opposed to the advancement and happiness of the large numbers of the feeble-minded for whom the institution was created.

Through the conscientious, skillful efforts of our social service workers, commendable progress has been made in the adjustment in the community of carefully selected boys and girls who have been trained in the institution.

The regular clinics at the institution and the established school clinics in the various cities and towns are proving to be convenient avenues through which the specialized resources of the institution are easily made available to the community.

The recognition by the authorities of a wage scale for ward service that approximates a commensurate amount and which was made operative in July is especially noteworthy inasmuch as it has resulted for the first time in this institution in securing a suitable number of employees for this important branch of the service.

BELCHERTOWN STATE SCHOOL.

Opened in November, 1922. Present capacity, 710.

Daily average number of patients, 328.

Number Oct. 1, 1923, 428.

Finances.

Expenditures from maintenance funds, \$226,627; total receipts, \$1,141, being \$500 from private patients, \$42 from reimbursing patients, \$599 from other sources.

Weekly per capita cost of maintenance computed on net expenses, \$13.25.

Weekly per capita cost of whole service, \$5.35; ward service, \$1.41.

One person employed for every 3.79 patients; 1 nurse for every 9.78 patients.

Average monthly wage for all persons employed \$87.98; for nurses, \$60.05; male ward service, \$58.01; female ward service, \$64.86.

The general statistics for the year are as follows:

	Males.	Females.	Totals.
Number present Sept. 30, 1922	—	—	—
Received during year	266	219	485
Total on books during year	266	219	485
Discharged to community	4	—	4
Transferred	6	1	7
Died	7	3	10
Total	17	4	21
Number present Sept. 30, 1923	249	215	264

Extract from Trustees' Annual Report.

The board has been cognizant of the difficulties attendant upon the opening of a new institution, and each month throughout the year has noted with satisfaction increased facilities for the care of the patients, the purchase of play materials for the younger children in the wards, play-ground equipment, the inauguration of physical



training activities, out-of-door sports, and indoor festivities, all of which have militated for happiness.

The gradual development of hand-work for the girls and industrial work for the boys, in cramped and inadequate quarters, is suggestive of future development under more auspicious conditions. The same is true of the school department.

The out-of-door activities in digging and grading and the farm work of the able bodied boys, have given wholesome, purposeful occupation, which reacts in cheerfulness and self respect among the workers.

We have seen the salutary effect of the removal of the defective delinquent group of boys between the ages of 17 and 25 to the newly opened department at the Bridge-water State Hospital, provided for the needs of this group, and would give heartiest endorsement of the movement to extend this provision to juvenile delinquent boys under 17 years of age. We also recognize urgent need of similar provision for the younger and older groups of defective delinquent girls.

During the year the board has given serious consideration to the many requests of parents and others for the discharge of patients. In this connection the assistance to intelligent and wise decisions which has been rendered by the social service department cannot be over-stated.

We have favored wherever possible, feasible and safe, the return to the community of those individuals who can be adequately protected, and of those who, under the same conditions, can contribute to their own support. The recent provision for parole has already proven its value.

As we look forward to another year of service we earnestly hope that the plans for the rapid and orderly development of the institution may proceed without interruption.

#### *Extract from Superintendent's Annual Report.*

*Social Service.* — This department has been established and has found abundant investigating, both in the interests of our resident population and in maintaining supervision of children on parole. In addition, this department has investigated the status of a waiting list compiled from Waverley and Wrentham unsatisfied applications.

*Employed.* — During the year, 2 boys and 1 girl have been paroled to go to work. One boy is with relatives and is earning a small sum weekly, the other is earning \$5.00 per week and maintenance and the girl is earning \$9.00 per week in a laundry. The benefits of the 1922 parole law are clearly manifest in the disposition of this group of cases.

*Defective Delinquents.* — The defective delinquent of 16 years or over, heretofore a great menace to the welfare of the School, can be sent to a special department but there is still left the delinquent of less than 16 years who is a problem no less troublesome. It is believed that provision should be made to relieve the schools for the feeble-minded from this younger set of boys and the defective delinquent girls.

*Clinics.* — Wednesday of each week has been set aside for the examination of children who may be brought to the School. Social agencies have been notified of this reservation of Wednesday.

*Progress of Building.* — During this year new buildings have been opened as follows: — Custodial Building for 145 girls; Dormitory for 105 girls; Employees' Cottages No. 3 and No. 7. The Laundry Building has been occupied as a laundry, besides giving space for 4 school-rooms and temporary Assembly Hall. Six new buildings have been begun during the year. Four sewer beds have been finished and put into operation. The water system has been extended, increasing supply and protection.

#### HOSPITAL COTTAGES FOR CHILDREN.

Opened in June, 1882. This is a private institution for which the Governor appoints five Trustees in addition to those selected by the Corporation. It is maintained from the income of private funds, donations and the board of patients. State and town charges are received for \$5.50 a week, although the weekly cost of support is considerably in excess of this amount.

The general statistics for the year are as follows:

Patients in the hospital October 1, 1922	92
Admitted within the year	47
Whole number of cases within the year	139
Dismissed within the year	44
Number remaining, September 30, 1923	95
The largest number on any day	99
The smallest number on any day	87
The average for the year	94



*Extract from Superintendent's Annual Report.*

The classes of cases cared for at this hospital are:—

First — Children suffering from nervous disorders, not feeble-minded. A child needing hospital care and treatment is not excluded because of mental defect, especially if too young to be admitted to the state schools for the feeble-minded.

Second — Epileptic children under ten years of age. For exceptional reasons older epileptic children are sometimes admitted, but rarely those over 14 years of age.

Third — Children with paralyses, deformities, disease of the spine, hip, knee and other joints, and other affections likely to require long residence in a hospital. Many cases may be greatly benefited by graded muscular exercises and massage which can best be carried out under institutional supervision.

Fourth — Children needing operation or fitting of supports. These return to their homes as soon as the appliances are well fitted, usually in a few days, and may be brought to the hospital at short intervals for observation.

Vicious children, or those with contagious diseases, are not received.

Children are supported in the following ways:

First — There are a few free beds, but not nearly enough for all who apply for them. Those who maintain them may nominate suitable children to occupy them.

Second — In consideration of the assistance this institution received in its earlier years from public funds in the erection of buildings and structural improvements, a special charity rate, much below cost, has been made for the board and care of suitable children dependent for support upon the State or any city or town within the Commonwealth.

Third — Those who are able are expected to pay at least the average cost, which is about \$9 per week. Those outside Massachusetts are expected to pay the average cost. If a private nurse or extraordinary attention is required, the charge is graded to fit the conditions. The income from invested funds and the contributions of charitable people make it possible to offer rates below cost, down to \$6 per week, in cases unable to pay more. Occasionally children are supported by some society or organization in their own community. In all cases under this third head, a written agreement for support is required.

No other legal papers or proceedings are required. Children are not "committed" to this institution or "adopted" by it. They are admitted upon the voluntary application of those who are responsible for their care and support. Parents or natural or legal guardians do not relinquish their rights in them or responsibility for them further than their care, treatment and training for the time being. Any suitable case may be received without formality if there is a bed available and the support has been provided for in one of the above ways. Application blanks and further information will be furnished upon request addressed to the Superintendent.

## THE PRIVATE INSTITUTIONS.

### THE McLEAN HOSPITAL.

Opened in October, 1818. Present capacity, 220.

Daily average number of patients on books, 211; in hospital, 207; on visit or escape, 4.

Number on books Oct. 1, 1923, 221; in hospital, 214; on visit or escape, 7.

All admissions, 94.

Admissions as insane, exclusive of temporary-care cases, 84.

First cases of insanity, 50.

Voluntary admissions, 15.

Temporary-care admissions, 31.

*Extract from Superintendent's Annual Report.*

It will be noted that the percentage of voluntary patients remaining in the Hospital at the end of the year was only 6.57 per cent as compared with 34.1 per cent at the end of the year 1922. The average has been from 30 to 40 per cent for some years.

This change, which I believe to be unfortunate, was brought about by a ruling of one of the Justices of the Supreme Court of Massachusetts during a hearing on a writ of habeas corpus.

The patient had been admitted to the Hospital on a voluntary basis, desiring to be so admitted and fully understanding the nature of her act when signing the voluntary application for admission, and at the time of the habeas corpus proceedings the patient's

mental condition was such that she said she understood her status at the Hospital to be that of a voluntary patient and that she wished to remain in the Hospital until she was better. (Application for the writ of habeas corpus was made at the instigation of a relative who was not in sympathy with the patient's guardian.) She was nevertheless obviously insane, as was testified to during the court proceedings by the Hospital Superintendent and by outside Alienists. At the close of the hearing the Judge found the patient insane and a proper case for hospital care, but ruled that as she was insane she should be committed as insane and that he could not consider her "mentally competent" and so able to remain at the Hospital voluntarily. His ruling amounted to saying that an insane person could not be "mentally competent" to apply for voluntary treatment, as insanity was inconsistent with the mental competence required by the voluntary admission law.

The law under which voluntary patients had been admitted for many years and up to January, 1921, read: "... who is desirous of submitting himself to treatment and who makes written application therefor and whose mental condition is such as to render him competent to make the application ...". Whereas the law as it is at present and has been since January, 1921, reads: "... who is desirous of submitting himself to treatment and who being mentally competent makes written application therefor ...".

I know of no reason to believe that the change in the wording of the law was made with any intention of changing the meaning of the law. It seems probable that this change was made only to condense and shorten the section. Nevertheless, the interpretation by the court of "mentally competent" as meaning mentally competent in its general sense, rather than mentally competent to make the application, virtually declared that no patient could be admitted as a voluntary patient to a hospital for mental diseases in Massachusetts who could be committed as insane, and the State Department of Mental Diseases in its "Regulations Relating to Voluntary Patients," adopted February 5, 1923, practically so interpreted the court's decision.

An act making possible the voluntary admission to mental hospitals of certain persons mentally ill was first adopted by the Commonwealth of Massachusetts in 1881. It was distinctly a forward movement and its increased use in this State and its adoption by many other states indicate its need and usefulness. By reason of it many patients have sought treatment in mental hospitals early in the course of their mental illness, when favorable response to treatment is most likely to result, patients who otherwise would have postponed the desirable treatment had they been obliged to accept a formal commitment as insane by a judge in order to make such treatment available.

There are many patients who could be pronounced insane who nevertheless realize clearly their condition and who desire hospital treatment and who should be allowed the privilege of such treatment without having put upon them the stigma, as it is considered by many, of being adjudged insane. The law as it read previous to January, 1921, allowed such patients this privilege, and many who took advantage of it and were restored to health and usefulness again in the world were appreciative of the opportunity to have had their mental illnesses dealt with on much the same ground as are those of a physical nature.

The sooner the public can be educated to an attitude toward mental diseases similar to its attitude toward physical diseases the sooner will the deserved confidence in mental hospitals be established. Such confidence must be developed in order that those mentally ill may seek early in the course of their illness the treatment needed at a time when results are most favorable. The free and easy admission of voluntary patients has done much to educate patients and their friends regarding mental illnesses and to abolish from the public mind the idea that there is a stigma connected with mental diseases.

It is extremely desirable that the wording of the law regarding the admission of voluntary patients, as it now stands, should be altered so as to make possible an interpretation of it as liberal as it was previous to January 1, 1921, or more so. The public welfare demands this.

#### OTHER PRIVATE LICENSED INSTITUTIONS

number 21. On September 30, 1923, there were under care of these institutions 293 patients; the insane numbered 133. There were 228 admissions of the insane and 249 dismissals during the year.

The numbers on September 30, 1923, are set forth in the following tabulation:—

	TOTALS.			INSANE.			SANE VOLUNTARY.			INEBRIATE.			FEEBLE-MINDED.			TEMPORARY CARE.			NON-MENTAL.		
	Males.	Females.	Totals.	Males.	Females.	Totals.	Males.	Females.	Totals.	Males.	Females.	Totals.	Males.	Females.	Totals.	Males.	Females.	Totals.	Males.	Females.	Totals.
Bournewood, George H. Torney, M.D.	3	12	15	3	11	14	2	1	3	1	1	2	1	1	2	1	1	2	1	2	3
Channing Sanitarium, Donald Gregg, M.D.	4	23	27	1	17	18	3	4	7	1	1	2	1	1	2	1	1	2	1	2	3
Herbert Hall Hospital, Walter C. Haviland, M.D.	4	10	14	1	8	9	3	2	5	1	1	2	1	1	2	1	1	2	1	2	3
Wiswall Sanatorium, Harry O. Spalding, M.D.	5	25	30	3	22	25	3	3	6	1	1	2	1	1	2	1	1	2	1	2	3
Sherwood, J. F. Edgerly, M.D.	1	1	2	1	1	2	1	1	2	1	1	2	1	1	2	1	1	2	1	2	3
Highland Hall, Samuel L. Eaton, M.D.	1	2	3	1	1	2	1	1	2	1	1	2	1	1	2	1	1	2	1	2	3
Dr. Reeves' Nervine, Harriet E. Reeves, M.D.	1	9	10	1	5	6	1	1	2	1	1	2	1	1	2	1	1	2	1	2	3
Ring Sanatorium and Hospital, Inc., Arthur H. Ring, M.D.	8	41	49	5	28	33	1	3	4	1	2	3	1	1	2	1	1	2	1	2	3
Dr. Mellus' Private Hospital, Edward Mellus, M.D.	2	11	13	2	9	11	1	1	2	1	1	2	1	1	2	1	1	2	1	2	3
Glenside, Mabel D. Ordway, M.D.	1	14	15	1	7	8	1	1	2	1	1	2	1	1	2	1	1	2	1	2	3
Knollwood, Earle E. Bessey, M.D.	1	5	6	1	4	5	1	1	2	1	1	2	1	1	2	1	1	2	1	2	3
Bellevue, Mary W. L. Johnson, M.D.	1	1	2	1	1	2	1	1	2	1	1	2	1	1	2	1	1	2	1	2	3
Private Hospital, Frederick L. Taylor, M.D.	4	1	5	1	1	2	1	1	2	1	1	2	1	1	2	1	1	2	1	2	3
Washingtonian Home, Hugh Barr Gray, M.D.	25	1	26	1	1	2	1	1	2	1	1	2	1	1	2	1	1	2	1	2	3
Elm Hill Private School and Home for the Feeble-minded, George A. Brown, M.D.	24	9	33	1	1	2	1	1	2	1	1	2	1	1	2	1	1	2	1	2	3
Standish Manor, Miss Alice M. Myers	10	8	18	1	1	2	1	1	2	1	1	2	1	1	2	1	1	2	1	2	3
Hillbrow School, Franklin H. Perkins, M.D.	3	5	8	1	1	2	1	1	2	1	1	2	1	1	2	1	1	2	1	2	3
Woodlawn Sanitarium, Eudora W. Faxon, M.D.	3	5	8	1	1	2	1	1	2	1	1	2	1	1	2	1	1	2	1	2	3
Private School, Nellie A. Hunt	1	1	2	1	1	2	1	1	2	1	1	2	1	1	2	1	1	2	1	2	3
Smith Hospital, Marshall E. Smith, M.D.	1	6	7	1	1	2	1	1	2	1	1	2	1	1	2	1	1	2	1	2	3
The Freer School, Miss Cora E. Morse	6	3	9	1	2	3	1	1	2	1	1	2	1	1	2	1	1	2	1	2	3
Westwood Lodge, Wm. J. Hanumond, M.D.	100	193	293	18	115	133	9	10	19	26	2	28	34	34	68	1	1	2	12	31	43
Total	100	193	293	18	115	133	9	10	19	26	2	28	34	34	68	1	1	2	12	31	43



## FAMILY CARE OF THE INSANE.

## UNDER DEPARTMENT OF MENTAL DISEASES.

First patients boarded in a family Aug. 10, 1885. Since placed, 1,279 different patients.

Number in families Oct. 1, 1923, 27 women.

There was one admission within the year, an increase of one.

Daily average number for the year, 27, a decrease of 2.

Number of families having patients, 15, no increase or decrease, — 5 families having 1 patient; 8 families, 2; 2 families, 3.

Number of cities and towns in which patients are boarded, 5, no increase or decrease.

The general statistics for the year are as follows:—

	1923.			INCREASES FOR THE YEAR.		
	Males.	Females.	Totals.	Males.	Females.	Totals.
Remaining Sept. 30, 1922	—	29	29	—	2 <sup>1</sup>	2 <sup>1</sup>
Admitted within the year	—	1	1	—	1	1
Viz.: By transfer from institution	—	1	1	—	1	1
Whole number of cases within the year	—	30	30	—	1 <sup>1</sup>	1 <sup>1</sup>
Dismissed within the year	—	3	3	—	1	1
Viz.: Transferred to institutions	—	2	2	—	1	1
Visit	—	1	1	—	1	1
Ill	—	—	—	—	1 <sup>1</sup>	1 <sup>1</sup>
Remaining Sept. 30, 1923	—	27	27	—	2 <sup>1</sup>	2 <sup>1</sup>
Viz.: Supported by State	—	25	25	—	2 <sup>1</sup>	2 <sup>1</sup>
Private	—	—	—	—	—	—
Reimbursing	—	—	—	—	—	—
Self-supporting	—	2	2	—	—	—
Number of different persons within the year	—	30	30	—	1 <sup>1</sup>	1 <sup>1</sup>
Number of different persons admitted	—	1	1	—	1	1
Number of different persons dismissed	—	3	3	—	1	1
Daily average number	—	27.93	27.93	—	2.30 <sup>1</sup>	2.30 <sup>1</sup>
Viz.: State	—	26.71	26.71	—	1.94 <sup>1</sup>	1.94 <sup>1</sup>
Reimbursing	—	—	—	—	—	—
Private	—	—	—	—	—	—
Self-supporting	—	1.22	1.22	—	.36 <sup>1</sup>	.36 <sup>1</sup>

<sup>1</sup> Decrease.

The total weekly per capita expenditure of the State on account of patients in private families for the year ending Nov. 30, 1923, and since Oct. 1, 1889, are shown as follows:—

	Fiscal Year ending Nov. 30, 1923.	Since Oct. 1, 1889.
Payments for board	\$5,241 05	\$722,165 18
Average number of patients, exclusive of private patients	27.46	161.87
Weekly per capita cost of board	3 67	2 66
Payments for extra clothing, not included in board rate	66 03	2,849 64
Payments for medical attendance, etc., not included in board rate	6 00	4,757 64
Weekly per capita cost of such expenses, outside of board rate	05	02
Weekly per capita cost of support (being cost of board, clothing, medical attendance, etc.)	3 72	2 68
Payments for supervision (being transportation, salaries and expenses of visitors)	2,156 56	100,252 58
Average number of patients	27.46	167.34
Weekly per capita cost of supervision	1 51	46
Weekly per capita cost of support and supervision	5 23	3 15



## UNDER TRUSTEES.

The trustees of institutions were authorized, by Chapter 458 of the Acts of 1905, to place their patients in the care of private families under substantially the same conditions as the Department of Mental Diseases.

First patient boarded June 13, 1905. Since placed, 1,067 different patients.

Number in families Oct. 1, 1923, 141 — 9 men and 132 women.

Placed during the year 75 persons, a decrease of 34.

Daily average number for year, 151.

Number of families having patients, 88, a decrease of 15, — 64 families having 1 patient each; 7 families, 2; 6 families, 3; 10 families, 4; 1 family, 5.

Number of towns in which patients are boarded, 54, a decrease of 11. Largest number of patients in any one town, 12; of families, 5.

The general statistics for the year are as follows: —

*Family Care by Institutions.*

	Worcester.	Taunton.	North- ampton.	Danvers.	West- borough.	Boston.	Grafton.	Medfield.	Cardner.	Total.
Remaining Sept. 30, 1922	23	17	9	19	21	14	7	8	52	170
Men . . . . .	3	3	-	-	-	1	-	-	8	12
Women . . . . .	23	14	9	19	21	13	7	8	44	158
Admitted within year	6	7	-	4	3	7	5	1	45	78
Men . . . . .	-	1	-	-	-	-	-	-	7	8
Women . . . . .	6	6	-	4	3	7	5	1	38	70
Whole number cases within year	29	24	9	23	24	21	12	9	97	248
Men . . . . .	-	4	-	-	-	1	-	-	15	20
Women . . . . .	29	20	9	23	24	20	12	9	82	228
Dismissed within year	10	10	-	7	14	11	1	-	51	104
Men . . . . .	-	2	-	-	-	-	-	-	9	11
Women . . . . .	10	8	-	7	14	11	1	-	42	93
Returned to institution	4	8	-	7	9	8	-	3	48	87
Men . . . . .	-	2	-	-	-	-	-	-	8	10
Women . . . . .	4	6	-	7	9	8	-	3	40	77
Discharged	-	-	-	-	1	3	-	-	-	4
Men . . . . .	-	-	-	-	-	-	-	-	-	-
Women . . . . .	-	-	-	-	1	3	-	-	-	4
Died	-	-	-	-	-	-	-	-	1	1
Men . . . . .	-	-	-	-	-	-	-	-	1	1
Women . . . . .	-	-	-	-	-	-	-	-	-	-
On visit	6	2	-	-	4	-	-	-	-	12
Men . . . . .	-	-	-	-	-	-	-	-	-	-
Women . . . . .	6	2	-	-	4	-	-	-	-	12
On escape	-	-	-	-	-	-	-	-	2	2
Men . . . . .	-	-	-	-	-	-	-	-	-	-
Women . . . . .	-	-	-	-	-	-	-	-	2	2
Remaining Sept. 30, 1923	19	14	9	16	10	10	11	6	46	141
Men . . . . .	-	2	-	-	-	1	-	-	9	9
Women . . . . .	19	12	9	16	10	9	11	6	40	132



## THE DEPARTMENT.

### PROCEEDINGS.

Twelve meetings of the Commissioners were held during the year.

Fifty-six visits of inspection were made by the Commissioners and Assistant Commissioner, in addition to five hundred and twenty-eight visits by the Pathologist, Assistants to the Commissioner, Director of Social Service, Financial Agent, Engineer, Farm Supervisor, etc.

Ninety-two visits relative to Support matters were made to the institutions by agents of the Support Department.

### ESTIMATES OF STATE EXPENSES FOR 1924

as approved on account of the mentally sick, the feeble-minded and epileptic, are listed below, excluding estimates for the maintenance of the State Infirmary and Bridgewater State Hospital, whose estimates are inseparable from those of the institutions as a whole, the State Infirmary being supervised by the Department of Public Welfare, and the Bridgewater State Hospital by the Department of Correction.

These estimates comprise estimates by the Department of Mental Diseases and by the State institutions.

#### ESTIMATES FOR THE STATE INSTITUTIONS

relate (1) to maintenance expenses, inclusive of repairs and renewals, and (2) special expenses for new buildings, additions, new furnishings and equipment in the main.

#### ESTIMATES FOR MAINTENANCE EXPENSES

as requested by the trustees of institutions, and the amounts as recommended by the department, appear in the following tabulation:—

	Institutions' Estimates.	Recommended by Department.
Boston Psychopathic Hospital . . . . .	\$252,061 91	\$238,849 49
Boston Hospital . . . . .	881,761 73	839,363 76
Danvers Hospital . . . . .	662,338 14	640,140 69
Foxborough Hospital . . . . .	359,692 76	353,372 75
Gardner Hospital . . . . .	411,473 39	378,205 43
Grafton Hospital . . . . .	588,044 71	578,575 23
Medfield Hospital . . . . .	676,466 46	663,600 30
Northampton Hospital . . . . .	414,985 78	406,536 50
Taunton Hospital . . . . .	652,566 94	592,711 60
Westborough Hospital . . . . .	608,781 13	587,129 18
Worcester Hospital . . . . .	869,489 94	827,720 24
Monson Hospital . . . . .	466,020 58	451,299 84
Belchertown School . . . . .	315,843 85	298,996 31
School for the Feeble-Minded at Waltham . . . . .	641,294 19	623,827 73
Wrentham School . . . . .	521,905 46	501,754 62
	<b>\$8,322,726 97</b>	<b>\$7,982,083 67</b>

#### ESTIMATES FOR SPECIAL APPROPRIATIONS

for the State institutions under the Department have been prepared and are classified below:

##### Boston State Hospital:

1. Constructing and furnishing Administration Building and Staff Quarters . . . . .	\$180,000 00	
2. Extension to Sewer, Water and Steam Lines . . . . .	13,000 00	
3. Purchase of Land . . . . .	30,000 00	
4. Concrete Pavement in Front of Power House . . . . .	10,000 00	
5. Concrete Platform for Coal Storage . . . . .	6,000 00	
6. Constructing and furnishing Cottage for Farm Employees . . . . .	34,000 00	
		<b>\$273,000 00</b>



## Danvers State Hospital:

1. Food Service Equipment . . . . .	\$7,300 00
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## Foxborough State Hospital:

1. Addition and Alterations to Ward 12 Buildings and Construction of Connecting Corridor . . . . .	200,000 00
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## Gardner State Colony:

1. Additional Water Supply . . . . .	\$35,000 00
2. Garage and Fire Station . . . . .	10,000 00
3. Dairy Farm . . . . .	17,000 00
4. Building on top of Root Cellar, Main Group . . . . .	3,000 00
5. Ice House-Hillcrest . . . . .	900 00
6. Addition to Fairview Cottage . . . . .	9,000 00
7. Repairs on Coal Trestle . . . . .	8,600 00
	<hr/>
	83,500 00

## Grafton State Hospital:

1. Constructing Chapel and Assembly Hall . . . . .	\$55,000 00
2. Kitchen Addition to Pines Service Building . . . . .	15,000 00
	<hr/>
	70,000 00

## Medfield State Hospital:

1. Furnishing Two Officers' Cottages . . . . .	5,500 00
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## Northampton State Hospital:

1. Constructing and furnishing Ward Building for 84 patients . . . . .	\$140,500 00
2. Additional Appropriation for Ward Building authorized in 1923 . . . . .	40,500 00
3. Sewer Connections . . . . .	600 00
4. Pavilion . . . . .	8,000 00
5. Sprinkler System . . . . .	9,175 00
6. Standpipe for Fire Protection . . . . .	2,757 00
	<hr/>
	201,532 00

## Westborough State Hospital:

1. Renovation of Wards A, B and C in Cottage . . . . .	\$7,000 00
2. New Porch, West Wing . . . . .	7,000 00
	<hr/>
	14,000 00

## Worcester State Hospital:

1. Congregate Dining-Room . . . . .	150,000 00
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## Monson State Hospital:

1. Addition to Administration Building . . . . .	35,000 00
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## Belchertown State School:

1. Constructing and furnishing Administration Building . . . . .	\$65,000 00
2. Constructing Garage . . . . .	7,500 00
3. Constructing and furnishing two Dormitories each for 105 Boys . . . . .	200,000 00
4. Constructing and furnishing Employees' Cottages (4 and 9) . . . . .	55,000 00
5. Extension of Water and Sewerage System . . . . .	40,000 00
6. Drainage, Grading, Walks and Roads . . . . .	40,000 00
7. Piggery . . . . .	3,500 00
8. Root Cellar and Apple House . . . . .	7,000 00
9. Furnishings and Equipment . . . . .	31,355 00
10. Carpenter and Machine Shop . . . . .	10,000 00
11. Second Story over Pipe Shop for Storage of Electrical Supplies . . . . .	935 00
12. Painting Interiors of Certain Wards and Cottages . . . . .	300 00
13. Install Dampers in Heating Stacks . . . . .	2,800 00
	<hr/>
	463,390 00

## Massachusetts School for Feeble-Minded:

1. Laundry . . . . .	\$25,000 00
2. Electric Lighting and Equipment (Templeton Colony) . . . . .	15,000 00
3. Nurses' Home Extension . . . . .	5,900 00
4. Side Track-Bill of Boston & Maine Railroad . . . . .	626 25
	<hr/>
	46,526 25

## Wrentham State School:

1. Constructing and furnishing two Cottages for 21 Employees each . . . . .	\$60,000 00
2. Constructing Cottage for Married Employee . . . . .	5,000 00
3. Tool House . . . . .	1,500 00
4. Equipment for Athletic Field . . . . .	2,500 00
5. Sprinkler System for Two Industrial Buildings . . . . .	1,930 00
	<hr/>
	70,930 00

Total . . . . . \$1,620,678 25

## ESTIMATES BY THE DEPARTMENT.

1. Personal Services . . . . .	\$90,140 00
2. Office Supplies and Equipment . . . . .	2,830 00
3. Traveling and Other Expenses . . . . .	14,685 00
4. Transportation and Medical Examination . . . . .	12,000 00
5. Support of Insane Paupers Boarded in Families . . . . .	6,500 00
6. Support of State Paupers in Hospital Cottages for Children . . . . .	16,000 00
7. Investigation of Mental Diseases and Defects; Special Projects of Mental Hygiene Division; Routine work of Psychiatric Institute . . . . .	16,000 00
	\$158,155 00

## FINANCIAL STATEMENTS.

## STATEMENT OF APPROPRIATIONS MADE TO THE DEPARTMENT FOR THE FISCAL YEAR ENDING NOVEMBER 30, 1923.

	Appropriations.	Amount expended.	Balance.
For personal services . . . . .	\$88,660 00 <sup>1</sup>	\$84,252 76	\$4,407 24
For other services, including printing the annual report, traveling and office supplies and equipment . . . . .	22,374 55 <sup>2</sup>	17,256 34	5,118 21
For transportation and medical examination of state paupers . . . . .	15,196 08 <sup>3</sup>	7,821 13	7,374 95
For the support of insane paupers boarded in families . . . . .	6,512 86 <sup>4</sup>	5,313 08	1,199 78
For the support of State paupers in the Hospital Cottages for Children . . . . .	15,500 00	12,080 51	3,419 49
For an investigation as to the nature, causes, results and treatment of mental diseases and defects and the publication of the results thereof . . . . .	25,006 00 <sup>5</sup>	6,896 92	18,109 08
	\$173,249 49	\$133,620 74	\$39,628 75

<sup>1</sup> Credit to our appropriation, \$660.00.<sup>2</sup> Brought forward from balance of 1922 appropriation, \$788.24; refunds, \$1,186.31; making a total of \$1,974.55.<sup>3</sup> Refunds, \$196.08.<sup>4</sup> Brought forward from balance of 1922 appropriation, \$12.86.<sup>5</sup> Refund, \$6.00.

## STATEMENT OF RECEIPTS AND DISBURSEMENTS OF THE DEPARTMENT FOR THE YEAR ENDING NOVEMBER 30, 1923.

## Receipts.

## Payable to State Treasurer:—

For support of patients in family care . . . . .	—
For support of patients in Hospital Cottages for Children . . . . .	\$91 15
Refunds . . . . .	2,351 69
Licenses . . . . .	1,150 00
Use of Land, Metropolitan Site . . . . .	10 00
Interest . . . . .	105 41
Total payable to State Treasurer . . . . .	\$3,708 25

## Payable to State Institutions:—

## For support of patients in—

Boston Psychopathic Hospital . . . . .	\$3,246 00
Boston State Hospital . . . . .	52,156 29
Danvers State Hospital . . . . .	37,898 60
Foxborough State Hospital . . . . .	9,170 76
Gardner State Colony . . . . .	2,753 55
Grafton State Hospital . . . . .	4,473 21
Medfield State Hospital . . . . .	17,138 56
Northampton State Hospital . . . . .	14,010 09
Taunton State Hospital . . . . .	24,054 89
Westborough State Hospital . . . . .	16,317 45
Worcester State Hospital . . . . .	31,037 80
Monson State Hospital . . . . .	2,445 33
Belchertown State School . . . . .	42 43
Massachusetts School for the Feeble-Minded . . . . .	2,257 55
Wrentham State School . . . . .	838 71
State Infirmary . . . . .	1,719 08
State Farm . . . . .	5,433 07

Total payable to State Institutions . . . . . \$224,993 37

Total receipts . . . . . \$228,701 62

*Disbursements.*

Paid State Treasurer . . . . .	\$3,708 25
Paid State institutions . . . . .	224,993 37
Total disbursements . . . . .	\$228,701 62

## FAMILY CARE OF THE INSANE.

Under Chapter 123, Section 16, of the General Laws, the Department is authorized to place in private families certain suitable inmates of the institutions under supervision. For a full report of this work as conducted by the Department and by the trustees of certain institutions, see page 72.

## THE SUPPORT DIVISION.

The function of this Division is to ascertain whether the patients committed to the various State Hospitals for the mentally ill, and also the Institutions for the Epileptic and Feeble-minded, as public charges, have a legal right to remain in said Institutions. If they are aliens and have no such right, having landed in the United States within five years of their commitment, investigation is made as to their liability to deportation under the United States Immigration Laws, and the result of such investigation is reported to the Department. If in the United States more than five years, and in Massachusetts less than five years, such aliens are reported for deportation by this Department. The Department may also remove any pauper inmates of Institutions under its supervision, who are not subject to the orders of a court to any country, state or place where they belong. If native born, and having no claim on this Commonwealth for support, investigation is made to determine upon what State, if any, they have a claim, and when so determined, this also is reported to the Department for action.

The financial condition of those entitled to remain is investigated, and if there are means legally available and sufficient to warrant it, the patient is reported to the Hospital to be supported privately at a rate to be determined by the Hospital authorities. If the means are not sufficient for that purpose, a reimbursing rate may be made by this Division and submitted to the Department for approval.

By agreement, Institutions under this Department care for war risk beneficiaries under commitment, being reimbursed for the same. This has markedly increased the work.

The following is the report of the work of this Division, for the year ending November 30, 1923:

Visits to the hospitals . . . . .	93
Histories taken at the hospitals . . . . .	2,974
Visits to relatives of patients and others for investigation . . . . .	2,112
Cases submitted for deportation to the U. S. Commissioner of Immigration . . . . .	108
Cases submitted for deportation by the Department . . . . .	148

*Support Cases, not including Ex-Service Men of the World War.*

Cases pending November 30, 1922 . . . . .	247
New cases . . . . .	1,115
	<hr/>
Made private . . . . .	136
Made reimbursing . . . . .	474
Accepted as State charges . . . . .	494
Pending November 30, 1923 . . . . .	258
	<hr/>
	1,362

*Private Cases.*

Cases pending Nov. 30, 1922 . . . . .	13
New cases reported to hospitals . . . . .	151
	<hr/>
Reported by hospitals as having been made private . . . . .	136
Made reimbursing . . . . .	7
Dropped — accepted as State charges . . . . .	3
Pending November 30, 1923 . . . . .	18
	<hr/>
	164

*Reimbursing Cases.*

Cases remaining November 30, 1922 in hospitals . . . . .	983	
New cases . . . . .	481	
	<hr/>	1,464
Made private of the above . . . . .	7	
Died . . . . .	160	
Discharged or on visit Nov. 30, 1923 . . . . .	159	
Dropped — accepted as State charges . . . . .	93	
Transferred to other institutions . . . . .	20	
Remaining in hospitals Nov. 30, 1923 . . . . .	1,025	
	<hr/>	1,464

*Cases of Ex-Service Men of the World War considered by the U. S. Veterans' Bureau for Support between November 30, 1922 and November 30, 1923.*

Cases remaining Nov. 30, 1922 in hospitals . . . . .	194	
New cases (American 470; Canadian 7) . . . . .	477	
	<hr/>	671
Died . . . . .	6	
Discharged or on visit . . . . .	177	
Transferred to other institutions . . . . .	60	
Rejected . . . . .	205	
Made private . . . . .	—	
Remaining in hospitals Nov. 30, 1923 . . . . .	223	
	<hr/>	671
Ex-service men actually in the hospitals November 30, 1923 . . . . .		432
Cases chargeable to Veterans' Bureau . . . . .	223	
Cases not yet chargeable (rejected or pending) . . . . .	209	
	<hr/>	432



Number and Board Rates of Reimbursing Patients for the Year ending October 1, 1923.

INSTITUTION.	DAILY AVERAGE NUMBER.		Average Weekly Per Capita Rate.	NUMBER OCT. 1, 1923.		UNITED STATES DEPORTATION CASES.		SOLDIER CASES.	
	Males.	Females.		Males.	Females.	Daily Average Number.	Average Weekly Per Capita.	Daily Average Number.	Average Weekly Per Capita.
Worcester Hospital . . . . .	51.02	66.31	\$4.69	42	61	.39	\$14.00	20.26	\$14.00
Taunton Hospital . . . . .	38.82	67.91	4.63	32	60	-	-	9.97	14.00
Northampton Hospital . . . . .	30.96	52.25	4.33	32	59	-	-	4.82	14.00
Danvers Hospital . . . . .	48.12	131.04	4.60	51	136	-	-	21.53	14.00
Westborough Hospital . . . . .	32.86	98.57	4.59	39	93	-	-	6.70	14.00
Boston Hospital . . . . .	32.04	124.64	4.81	31	143	-	-	37.05	14.00
Psychopathic Hospital . . . . .	.02	.14	10.93	-	-	.08	14.00	2.27	14.00
Grafton Hospital . . . . .	24.98	23.91	3.49	15	24	-	-	2.16	14.00
Medfield Hospital . . . . .	19.87	55.64	5.04	16	45	-	-	8.11	14.00
Foxborough Hospital . . . . .	16.04	10.41	6.43	10	16	-	-	6.64	14.00
Gardner Colony . . . . .	12.71	7.46	5.33	11	12	-	-	.16	14.00
Mental Wards, State Infirmary . . . . .	-	1.48	5.99	2	6	-	-	.08	14.00
Bridgewater Hospital . . . . .	6.07	18.31	5.67	4	-	-	-	7.51	14.00
Monson Hospital . . . . .	18.10	4.85	4.85	21	20	-	-	.41	14.00
School for the Feeble-Minded at Waltham . . . . .	12.96	13.97	4.19	21	19	-	-	-	-
Wrentham School . . . . .	5.39	10.47	4.41	5	10	-	-	-	-
Belchertown School . . . . .	-	.18	2.97	-	1	-	-	-	-
Family care . . . . .	-	-	-	-	-	-	-	-	-
Hospital Cottages . . . . .	.16	-	1.69	-	1	-	-	-	-
Totals . . . . .	351.11	682.69	4.73	332	706	.47	\$14.00	127.77	\$14.00

*Receipts for Support of Reimbursing Patients.*

LOCATION OF PATIENTS.	Year ending Nov. 30, 1922.	Year ending Nov. 30, 1923.	Total since Jan. 1, 1904.
Worcester Hospital . . . . .	\$46,075 97	\$47,184 02	\$460,014 27
Taunton Hospital . . . . .	30,495 56	35,676 76	336,834 20
Northampton Hospital . . . . .	33,763 47	27,398 27	345,443 10
Danvers Hospital . . . . .	63,083 50	67,431 09	575,789 58
Westborough Hospital . . . . .	32,355 48	35,162 07	367,550 24
Boston Hospital . . . . .	49,628 09	72,232 29	404,519 66
Psychopathic Hospital . . . . .	4,957 00	3,246 00	8,325 00
Grafton Hospital . . . . .	15,827 42	10,404 13	176,875 31
Medfield Hospital . . . . .	28,765 57	24,896 68	231,090 50
Foxborough Hospital . . . . .	12,259 65	12,178 26	68,931 51
Gardner State Colony . . . . .	3,902 25	5,013 65	37,721 55
Mental Wards, State Infirmary . . . . .	6,725 73	1,719 08	29,104 81
Bridgewater Hospital . . . . .	6,560 78	5,433 07	32,273 24
Monson Hospital . . . . .	8,968 37	7,979 72	88,572 69
School for Feeble-minded at Waltham . . . . .	9,226 09	6,015 42	48,644 12
Wrentham School . . . . .	5,970 08	2,038 66	17,124 20
Belchertown School . . . . .	—	42 43	42 43
Hospital Cottages . . . . .	17 43	91 15	891 22
Family care . . . . .	1,000 00	—	15,058 99
Foxborough labor . . . . .	—	—	3,370 45
Alms-houses . . . . .	—	—	923 66
	\$359,582 44	\$364,142 75	\$3,249,100 73

## DEPORTATIONS.

There were considered for deportation 569 cases, compared with 616 for the previous year. This Department deported 80 to other states, 14 to other countries, — in all, 94. In addition the United States Immigration Commissioner deported 52. Altogether, 146 have been deported since December 1, 1922.

Since October 1, 1898, 3,124 persons have been deported by this Department, of whom 106 returned once, 13 twice and 3 three times. Of those returning 4 are now in the institutions of this state.

Details of the disposition of cases under consideration for deportation are shown in the following table: —

	DEPARTMENT.			UNITED STATES COMMISSIONER OF IMMIGRATION.			TOTALS.			TOTALS.		
	Males.	Females.	Totals.	Males.	Females.	Totals.	Males.	Females.	Totals.	1922.	1923.	Increases.
Cases pending Nov. 30, 1922										326	355	29
Since reported	183	39	232	65	29	94	258	68	326	256	243	131
	90	62	152	56	35	91	146	97	243			
Total cases under consideration	283	101	384	121	64	185	404	165	569	616	569	471
Deported										185	146	391
Viz.: Other States	59	35	94	38	14	52	97	49	146	80	80	161
Other countries	48	32	80	35	14	49	48	32	80	87	63	241
Special cases not landed under immigration laws and pending deportation	11	3	14				46	17	63			
Discharged										3	3	1
Viz.: Care of friends	17	10	27	3		3	21	13	34	52	34	181
Escaped	17	10	27	4	3	7	21	13	34	47	34	131
Returned to penal institutions										5		51
Died										19	16	31
Withdrawn	7	5	12	3	1	4	10	6	16	5	5	21
Viz.: Private patients				1	2	3	1	2	3	4	3	2
Rejected by Immigration Commissioner				1	2	3	1	2	3	1	1	
Reported through agency of the Department												
Dropped from further consideration	6	5	11				6	7	13	29	13	161
Viz.: Impracticable to deport	1	2	3				1	2	3	9	3	61
No place to go	5	3	8				5	5	10	20	10	101
Total cases closed	89	57	146	46	22	68	135	79	214	290	214	761
Cases pending Nov. 30, 1923										326	355	29
Viz.: Not in condition to deport	194	44	238	75	42	117	269	86	355	11	13	2
Awaiting action	8	4	12							113	177	64
Delayed because of war conditions	98	25	123	27	27	54	125	52	177	126	75	51
Under sentence	36	6	42	22	11	33	58	17	75	4	4	
Under sentence	3		3	1		1	4		4	28	28	
On visit	13	7	20	5	3	8	19	9	28	44	58	14
On escape	36	2	38	20		20	56	2	58			

1 Decrease.

## THE FINANCIAL DIVISION.

This Division no longer handles collective buying through its Stewards' Association, this having been taken over by the Purchasing Bureau of the Commission on Administration and Finance, which has seen fit in most instances to adopt the standards and use the specifications this Department followed in its collective buying for a number of years. Monthly meetings of the stewards, however, have been continued with further standardizations and construction of specifications to meet these standards. Administrative and financial problems that have been brought to these meetings by the representatives of the various institutions under the Department's supervision were discussed, together with problems which the Department itself felt should be brought up at a time when the representatives of all institutions were present to express their views. These matters cover a large field, such as application of ration allowance, table waste, bread making, discussion of clothing and other materials manufactured and furnished through the Department of Correction, laundry work and equipment, ice harvesting and refrigeration, farm and garden rotation of crops and fertilization, planting of proper acreage to meet the requirements of the institution, grain and hay rations for stock, proper spraying materials to purchase and their application, more efficient and labor-saving tools, implements and machines for farm work, best variety of seeds for institution needs, standardization of institution printed forms and the starting of a Departmental printing plant at the Gardner State Colony. Many problems were also brought before the meetings by the Department's engineer and farm supervisor.

## ENGINEERING.

During the year the repairs and maintenance work of the institutions were supervised and advice given on various problems. Inspection was constantly made of work under construction. Assistance was rendered in developing plans for special appropriations. Requests for appropriations were analyzed and recommendations made.

## SPECIAL APPROPRIATIONS.

Conditions in the construction field did not change much from those prevailing in 1922. Labor and material prices continued on a high level. But few appropriations were allowed by the Legislature and those only for such projects as they deemed urgent. The high prices obtained warranted the rejecting of all bids on three projects: namely, a ward building at the Northampton State Hospital, an extension to the nurses' home at the Massachusetts School for the Feeble-Minded and a storehouse addition at the Wrentham State School which were held over for lower prices.

The construction at the power plant at the Danvers State Hospital proceeded with the installation of the engines, generators and refrigerating plant machinery; the foundations and other preliminary construction work being done by the institution forces. The salvage sheds and yard were completed and put to use much to the advantage of the hospital.

The new construction at the Foxborough State Hospital progressed and the male infirmary was completed and accepted in the latter part of the year.

At the Gardner State Colony the hospital building and the laundry were completed and put into operation. A serious water shortage threatened due to the extended drought in the late summer which severely handicapped the institution. The situation was eased, however, by the sinking of additional wells, the overhauling of the piping and the installation of a new pump outfit and water tank. With the removal of the laundry to the new building the alterations to the domestic building made good progress.

At the Grafton State Hospital one 60-cow unit at the barn was completed and another started. The hay barn was completed and the barns occupied permitting the tearing down of the old barns. The water supply system connecting with the City of Worcester was completed and the water turned on in August, remedying a very unsatisfactory water situation at this institution.



The new kitchen at the Medfield State Hospital was sufficiently completed to be put into operation and the work on the congregate dining rooms well advanced. They will be completed early in 1924.

The construction of the heating and power station for the Massachusetts School for Feeble-minded at Waverley progressed with the erection of the power house, chimney and two boilers. Contracts have been let for the piping and underground work. The present engines and generators will be relocated from the present power plant and the new plant put into operation during 1924. The institution erected one officers' cottage at the Templeton Colony from the standard plans and specifications of the Department and is erecting four more at Waverley.

At the Wrentham State School three additional sewer beds were constructed from the plans of the Department's engineer and four more are under construction. The assembly hall, boys' industrial building and horse barn were completed and the dairy group approached the point of completion.

There was little new building construction started at the Belchertown State School, all efforts being put into completing present contracts and improving the grounds. With the acceptance of new buildings and the increasing population, the demand on the power house became sufficient to warrant an additional boiler and a 300 horse power water tube boiler is being erected.

#### FARM.

*Dairy.* — The Department has favored the institutions continuing its policy of maintaining two herds, one known as the tuberculosis free herd and the other known as the Bang herd which is composed entirely of reactors to the tuberculin test. The upkeep of the herd was maintained by raising heifer calves and the purchase of one carload of cows from accredited herds in Sullivan County, N. H., which was shipped to Grafton State Hospital November 29th.

The following improvements were made last year:

One hay and storage barn, Belchertown State School.

One hay barn and cow stable with 60 tie ups, Grafton State Hospital.

One hay barn and dairy wing made ready for occupancy, Foxborough State hospital.

One hay barn, two dairy wings, and young stock shed made ready for occupancy, Wrentham State School.

Two silos recovered, Northampton State Hospital.

The keen interest manifested by the institution management for the building up of dairy herds has resulted in remarkable gains in milk production and a substantial gain in the non tuberculous free herd.

The average number of cows in 1923 was 39 less than in 1922, but the milk production was increased 529,054.5 qts. or an average of 557.6 qts. per cow. The total cows for 1923 was 706.6 and the value of the increase in milk at 10¢ per quart was \$52,905.45. To this should be added the value of the 1923 calf drop.

The annual meeting of superintendents, stewards, and head farmers was held by invitation at the Northampton State Hospital November 21st and 22nd. Outside speakers were Prof. J. A. Foord, Massachusetts Agricultural College, Prof. J. A. Abbott, Massachusetts Agricultural College, Prof. W. H. Wolfe, Hampden County Improvement League, Springfield, Mass., and O. M. Camburn in charge of Dairying Department of Agriculture. An illustrated lecture was given by Mr. Hamilton of the De Laval Separator Co. who also exhibited a moving picture film of the De Laval Separator Co. mechanical milker.

During the year there has been installed at all institutions the following forms: —

1. A standardized form for reporting all farm produce daily.
2. A standardized form on which to report all produce for the month, one copy of which is sent to the Department.
3. A standardized form for the weekly score card for recording milk production of each cow.

# STATEMENT OF APPROPRIATIONS FOR SPECIAL PURPOSES FOR THE VARIOUS INSTITUTIONS.

## Boston Hospital.

Male Infirmary (Chapter 50, Resolves of 1916; Chapter 629, Acts of 1920; Chapter 203, Acts of 1921):

Appropriation (1918)							\$385,000 00
Appropriation (1920)							16,000 00
Appropriation (1921)							3,595 80
Total							\$404,595 80
Expenditures previously authorized						\$400,618 60	
Expenditures authorized in 1923						2,296 51	402,915 11

Balance reverted to State Treasury

Dining Room, East Group (Chapter 211, Special Acts 1919; Chapter 629, Acts 1920):

Appropriation (1919)							\$110,000 00
Appropriation (1920)							42,000 00
Total							\$152,000 00
Expenditures previously authorized						\$150,579 32	
Expenditures authorized in 1923						-	150,579 32

Balance available

Dining Room, West Group (Chapter 211, Special Acts 1919; Chapter 225-629, Acts 1920):

Appropriation (1919)							\$100,000 00
Appropriation (1920)							110,000 00
Appropriation (1921)							14,100 00
Total							\$224,100 00
Expenditures previously authorized						\$223,086 04	
Expenditures authorized in 1923						897 35	223,983 39

Balance reverted to State Treasury

Home for 90 Nurses (Chapter 211, Special Acts 1919; Chapter 225-629, Acts 1920; Chapter 203, Acts 1921):

Appropriation (1919)							\$80,000 00
Appropriation (1920)							57,500 00
Appropriation (1921)							15,200 00
Total							\$152,700 00
Expenditures previously authorized						\$151,230 55	
Expenditures authorized in 1923						1,459 92	152,690 47

Balance reverted to State Treasury

Laundry Building (Chapter 203, Acts of 1921):

Appropriation							\$15,000 00
Expenditures previously authorized						\$4,561 98	
Expenditures authorized in 1923						10,365 00	14,926 98

Balance reverted to State Treasury

Sewer Line (Chapter 203, Acts of 1921):

Appropriation							\$5,000 00
Expenditures previously authorized						\$4,047 53	
Expenditures authorized in 1923						242 55	4,290 08

Balance reverted to State Treasury

Veranda C (Chapter 129, Acts 1922):

Appropriation							\$8,000 00
Expenditures previously authorized						\$6,754 10	
Expenditures authorized in 1923						1,237 80	7,991 90

Balance available

Veranda G (Chapter 129, Acts 1922):

Appropriation							\$5,000 00
Expenditures previously authorized						\$4,109 00	
Expenditures authorized in 1923						772 07	4,881 07

Balance available

\$118 93

## Addition to Bakery (Chapter 129, Acts 1922):

Appropriation						\$36,000 00
Expenditures previously authorized					\$31,654 37	
Expenditures authorized in 1923					4,323 18	
						<hr/> 35,977 55

Balance available

\$22 45

## Addition to Refrigerating Room (Chapter 129, Acts 1922):

Appropriation						\$23,000 00
Expenditures previously authorized					\$6,643 92	
Expenditures authorized in 1923					15,262 58	
						<hr/> 21,906 50

Balance available

\$1,093 50

## Superintendent's House (Chapter 126, Acts 1923):

Appropriation						\$15,000 00
Expenditures authorized in 1923						5,279 47

Balance available

\$9,720 53

*Danvers Hospital.*

## Power Plant (Chapter 629, Acts of 1920):

Appropriation						\$250,000 00
Expenditures previously authorized					\$211,677 43	
Expenditures authorized in 1923					25,658 54	
						<hr/> 237,335 97

Balance available

\$12,664 03

## Electrical, Refrigerating and Lighting Plant (Chapter 203, Acts 1921):

Appropriation						\$50,000 00
Expenditures previously authorized					\$63 60	
Expenditures authorized in 1923					30,954 16	
						<hr/> 31,017 76

Balance available

\$18,982 24

## Salvage Yard Sheds (Chapter 129, Acts 1922):

Appropriation						\$2,750 00
Expenditures previously authorized					\$1,866 78	
Expenditures authorized in 1923					877 34	
						<hr/> 2,744 12

Balance reverted to State Treasury

\$5 88

## Storage House (Chapter 126, Acts 1923):

Appropriation						\$6,000 00
Expenditures authorized in 1923						—

Balance available

\$6,000 00

*Foxborough Hospital.*

## Sewer Beds (Chapter 124, Resolves 1917; Chapter 129, Acts 1922):

Appropriation						\$17,500 00
Expenditures previously authorized					\$15,007 80	
Expenditures authorized in 1923					40 10	
						<hr/> 15,047 90

Balance available

\$2,452 10

## Male Infirmary (Chapter 203, Acts 1921):

Appropriation						\$159,000 00
Expenditures previously authorized					\$81,112 23	
Expenditures authorized in 1923					74,640 64	
						<hr/> 155,752 87

Balance available

\$3,247 13

## Renovation of Ward E (Chapter 203, Acts 1921):

Appropriation						\$12,750 00
Expenditures previously authorized					\$9,044 49	
Expenditures authorized in 1923					2,681 03	
						<hr/> 11,725 52

Balance available

\$1,024 48

## Barn (Chapter 203, Acts of 1921):

Appropriation		\$28,000 00
Expenditures previously authorized	\$20,574 14	
Expenditures authorized in 1923	7,424 63	
	<hr/>	27,998 77

Balance reverted to State Treasury . . . . . \$1 23

## Two Male Wards (Chapter 129, Acts 1922):

Appropriation		\$285,000 00
Expenditures previously authorized	\$57,527 42	
Expenditures authorized in 1923	122,874 04	
	<hr/>	180,401 46

Balance available . . . . . \$104,598 54

## Engine Room Equipment (Chapter 129, Acts 1922):

Appropriation		\$24,500 00
Expenditures previously authorized	\$14,199 26	
Expenditures authorized in 1923	7,319 83	
	<hr/>	21,519 09

Balance available . . . . . \$2,980 91

## Furnishing New Buildings (Chapter 129, Acts 1922):

Appropriation		\$7,500 00
Expenditures previously authorized	\$4,835 77	
Expenditures authorized in 1923	2,654 22	
	<hr/>	7,489 99

Balance available . . . . . \$10 01

## Administration Building (Chapter 126, Acts 1923):

Appropriation		\$130,000 00
Expenditures authorized in 1923		19 60

Balance available . . . . . \$129,980 40

## Ward Buildings Furnishings (Chapter 126, Acts 1923):

Appropriation		\$20,000 00
Expenditures authorized in 1923		15,355 04

Balance available . . . . . \$4,644 96

## Purchase of Land (Chapter 126, Acts of 1923):

Appropriation		\$5,000 00
Expenditures authorized in 1923		—

Balance available . . . . . \$5,000 00

*Gardner Colony.*

## Hospital Building (Chapter 129, Acts 1922):

Appropriation		\$134,000 00
Expenditures previously authorized	\$69,487 07	
Expenditures authorized in 1923	62,752 64	
	<hr/>	132,239 71

Balance available . . . . . \$1,760 29

## Water Supply Extension (Chapter 129, Acts 1922; Chapter 546, Acts 1922):

Appropriation (1922)		\$5,000 00
Appropriation (1922)		15,000 00

\$20,000 00

Expenditures previously authorized	—	
Expenditures authorized in 1923	\$14,172 66	
	<hr/>	14,172 66

Balance available . . . . . \$5,827 34

## Laundry (Chapter 129, Acts 1922):

Appropriation		\$23,000 00
Expenditures previously authorized	\$14,080 26	
Expenditures authorized in 1923	8,666 54	
	<hr/>	22,746 80

Balance available . . . . . \$253 20

## Alterations in Infirmaries (Chapter 126, Acts 1923):

Appropriation		\$6,000 00
Expenditures authorized in 1923		—

Balance available . . . . . \$6,000 00



## Alterations in Domestic Building (Chapter 126, Acts 1923):

Appropriation		\$47,000 00
Expenditures authorized in 1923		33,029 82
Balance available		\$13,970 18

*Grafton Hospital.*

## Additional Water Supply (Chapter 313, Acts of 1917; Chapter 129, Acts of 1922):

Appropriation		\$105,000 00
Expenditures previously authorized	\$67,767 30	
Expenditures authorized in 1923	24,463 90	
		92,231 20

Balance available		\$12,768 80
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## Coal Trestle Extension (Chapter 50, Resolves 1918):

Appropriation		\$10,000 00
Refund (1922)		69 60

Total		\$10,069 60
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Expenditures previously authorized	\$9,532 77	
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Expenditures authorized in 1923		9,532 77
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Balance reverted to State Treasury		\$536 83
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## Additional Fire Protection (Chapter 153, Acts 1919; Chapter 120, Acts 1922):

Appropriation	\$6,000 00	
Expenditures previously authorized	5,505 06	
Expenditures authorized in 1923	480 05	
		5,985 11

Balance reverted to State Treasury		\$14 89
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## Cow Barn (Chapter 203, Acts 1921):

Appropriation		\$10,400 00
Expenditures previously authorized	\$8,004 16	
Expenditures authorized in 1923	2,394 59	
		10,398 75

Balance reverted to State Treasury		\$1 25
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## Water System (Chapter 129, Acts of 1922):

Appropriation		\$45,000 00
Expenditures previously authorized	\$31,341 90	
Expenditures authorized in 1923	11,807 00	
		43,148 90

Balance available		\$1,851 10
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## Cottage (Chapter 129, Acts of 1922):

Appropriation		\$5,000 00
Expenditures previously authorized		
Expenditures authorized in 1923	\$1,764 61	
		1,764 61

Balance available		\$3,235 39
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## Certain Barns (Chapter 129, Acts of 1922):

Appropriation		\$15,000 00
Expenditures previously authorized	\$168 00	
Expenditures authorized in 1923	9,851 66	
		10,019 66

Balance available		\$4,980 34
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*Medfield Hospital.*

## Repairing and Enlarging Sewage Filter Beds (Chapter 96, Resolves 1917; Chapter 629, Acts 1920):

Appropriation (1917)		\$24,250 00
Appropriation (1920)		18,000 00

Total		\$42,250 00
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Expenditures previously authorized	\$35,536 47	
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Expenditures authorized in 1923	2,547 14	
		38,083 61

Balance available		\$4,166 39
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## Kitchen and Dining Room (Chapter 129, Acts of 1922):

Appropriation							\$95,000 00
Expenditures previously authorized	.	.	.	.	.	\$28,962 79	
Expenditures authorized in 1923	.	.	.	.	.	42,946 13	
						<u>71,908 92</u>	

## Land and Buildings (Chapter 129, Acts of 1922):

Balance available							\$23,091 08
Appropriation	.	.	.	.	.		\$7,000 00
Expenditures previously authorized	.	.	.	.	.	\$4,200 00	
Expenditures authorized in 1923	.	.	.	.	.	2,800 00	
						<u>\$7,000 00</u>	

## Hydriatric Room (Chapter 126, Acts of 1923):

Appropriation	.	.	.	.	.		\$11,900 00
Expenditures authorized in 1923	.	.	.	.	.		-

## Bathroom Equipment (Chapter 126, Acts of 1923):

Balance available							\$11,900 00
Appropriation	.	.	.	.	.		\$7,500 00
Expenditures authorized in 1923	.	.	.	.	.		437 50

## Purchase of Land (Chapter 126, Acts of 1923):

Balance available							\$7,062 50
Appropriation	.	.	.	.	.		\$3,000 00
Expenditures authorized in 1923	.	.	.	.	.		-

## Water Supply (Chapter 126, Acts of 1923):

Balance available							\$3,000 00
Appropriation	.	.	.	.	.		\$4,300 00
Expenditures authorized in 1923	.	.	.	.	.		-

## Installation of Baths (Chapter 126, Acts of 1923):

Balance available							\$4,300 00
Appropriation	.	.	.	.	.		\$23,000 00
Expenditures authorized in 1923	.	.	.	.	.		-

## Balance available

*Northampton Hospital.*

## Two Ward Buildings (Chapter 126, Acts 1923):

Appropriation	.	.	.	.	.		\$100,000 00
Expenditures authorized in 1923	.	.	.	.	.		95 50

## Purchase of Courtney Property (Chapter 126, Acts 1923):

Balance available							\$99,904 50
Appropriation	.	.	.	.	.		\$4,000 00
Expenditures authorized in 1923	.	.	.	.	.		-

## Balance available

*Taunton Hospital.*

## Mill River Dam (Chapter 129, Acts 1922):

Appropriation	.	.	.	.	.		\$9,000 00
Expenditures previously authorized	.	.	.	.	.	\$169 03	
Expenditures authorized in 1923	.	.	.	.	.	8,690 60	
						<u>8,859 63</u>	

## Coal Trestle Extension (Chapter 129, Acts 1922):

Balance available							\$140 37
Appropriation	.	.	.	.	.		\$12,000 00
Expenditures previously authorized	.	.	.	.	.	\$7,156 37	
Expenditures authorized in 1923	.	.	.	.	.	4,843 16	
						<u>11,999 53</u>	

## Balance reverted to State Treasury

*Westborough Hospital.*

## Dining Room (Chapter 129, Acts 1922):

Appropriation	.	.	.	.	.		\$53,000 00
Expenditures previously authorized	.	.	.	.	.	\$28,171 45	
Expenditures authorized in 1923	.	.	.	.	.	24,822 57	
						<u>52,994 02</u>	

## Balance reverted to State Treasury

*Worcester Hospital.*

Remodeling Worcester Department Heating System (Chapter 123, Resolves 1917; Chapter 129, Acts 1922):				
Appropriation	.	.	.	\$89,303 00
Expenditures previously authorized	.	.	.	\$88,832 65
Expenditures authorized in 1923	.	.	.	<u>          —</u>
				88,832 65
Balance available	.	.	.	\$470 35
Alterations in Heating Shaft (Chapter 203, Acts 1921):				
Appropriation	.	.	.	\$16,000 00
Expenditures previously authorized	.	.	.	\$3,339 05
Expenditures authorized in 1923	.	.	.	<u>12,534 97</u>
				15,874 02
Balance reverted to State Treasury	.	.	.	\$125 98

*Monson Hospital.*

Farm Cottage (Chapter 129, Acts 1922):				
Appropriation	.	.	.	\$9,000 00
Expenditures previously authorized	.	.	.	\$5,956 32
Expenditures authorized in 1923	.	.	.	<u>3,043 12</u>
				8,999 44
Balance reverted to State Treasury	.	.	.	\$0 56
Purchase of Cottage (Chapter 129, Acts 1922):				
Appropriation	.	.	.	\$3,000 00
Expenditures previously authorized	.	.	.	\$1,822 00
Expenditures authorized in 1923	.	.	.	<u>1,044 13</u>
				2,866 13
Balance available	.	.	.	\$133 87
Three Cottages (Chapter 126, Acts of 1923):				
Appropriation	.	.	.	\$15,000 00
Expenditures authorized in 1923	.	.	.	<u>4,814 04</u>
				\$10,185 96
Ice House (Chapter 126, Acts 1923):				
Appropriation	.	.	.	\$2,000 00
Expenditures authorized in 1923	.	.	.	<u>586 27</u>
				\$1,413 73

*School for the Feeble-Minded at Waltham.*

Side Track (Chapter 50, Resolves 1918):				
Appropriation	.	.	.	\$25,000 00
Expenditures previously authorized	.	.	.	\$22,000 00
Expenditures authorized in 1923	.	.	.	<u>          —</u>
				22,000 00
Balance available	.	.	.	\$3,000 00
Officers' Cottages (Chapter 203, Acts 1921):				
Appropriation	.	.	.	\$16,000 00
Expenditures previously authorized	.	.	.	\$2,974 82
Expenditures authorized in 1923	.	.	.	<u>6,140 17</u>
				9,114 99
Balance available	.	.	.	\$6,885 01
Heating and Power Station (Chapter 129, Acts 1922; Chapter 126, Acts 1923):				
Appropriation (1922)	.	.	.	\$100,000 00
Appropriation (1923)	.	.	.	<u>85,000 00</u>
				\$185,000 00
Total	.	.	.	\$185,000 00
Expenditures previously authorized	.	.	.	\$17,716 89
Expenditures authorized in 1923	.	.	.	<u>71,212 38</u>
				88,929 27
Balance available	.	.	.	\$96,070 73

## Employees' Quarters (Chapter 129, Acts 1922; Chapter 126, Acts 1923):

Appropriation (1922)		\$27,000 00
Appropriation (1923)		14,000 00
Total		\$41,000 00
Expenditures previously authorized	\$185 70	
Expenditures authorized in 1923	105 95	
		291 65
Balance available		\$40,708 35
Furnishings for Officers' Quarters (Chapter 126, Acts 1923):		
Appropriation		\$5,000 00
Expenditures authorized in 1923		—
Balance available		\$5,000 00
House at Templeton (Chapter 494, Acts of 1923):		
Appropriation		\$4,500 00
Expenditures authorized in 1923		3,434 52
Balance available		\$1,065 48

*Wrentham School.*

## Purchase of Land (Chapter 50, Resolves 1918; Chapter 129, Acts 1922):

Appropriation		\$2,200 00
Expenditures previously authorized	\$1,970 00	
Expenditures authorized in 1923	—	
		1,970 00
Balance available		\$230 00

## Purchase of Land and Building (Chapter 242, Special Acts 1919):

Appropriation		\$8,000 00
Expenditures previously authorized	\$1,339 96	
Expenditures authorized in 1923	—	
		1,339 96

Balance available		\$6,660 04
Industrial Building (Chapter 225, Acts 1920; Chapter 629, Acts 1920):		
Appropriation		\$55,000 00
Expenditures previously authorized	\$51,470 33	
Expenditures authorized in 1923	3,489 67	
		54,960 00

Balance reverted to State Treasury		\$40 00
Cold Storage Plant (Chapter 225, Acts 1920; Chapter 629, Acts 1920):		
Appropriation		\$55,000 00
Expenditures previously authorized	\$54,352 03	
Expenditures authorized in 1923	612 00	
		54,964 03

Balance reverted to State Treasury		\$35 97
Assembly Hall (Chapter 203, Acts 1921):		
Appropriation		\$94,000 00
Expenditures previously authorized	\$74,601 56	
Expenditures authorized in 1923	19,395 55	
		93,997 11

Balance reverted to State Treasury		\$2 89
Barn (Chapter 203, Acts 1921):		
Appropriation		\$25,000 00
Expenditures previously authorized	\$14,521 18	
Expenditures authorized in 1923	10,418 76	
		24,939 94

Balance reverted to State Treasury		\$60 06
Sewer Beds (Chapter 129, Acts 1922; Chapter 126, Acts 1923):		
Appropriation (1922)		\$7,800 00
Appropriation (1923)		10,000 00
Total		\$17,800 00

Expenditures previously authorized	\$7,799 14	
Expenditures authorized in 1923	1,101 36	
		8,900 50
Balance available		\$8,899 50



# Boys' Industrial Building (Chapter 129, Acts 1922):

Appropriation						\$40,000 00
Expenditures previously authorized	.	.	.	.	\$21,835 59	
Expenditures authorized in 1923	.	.	.	.	16,481 50	
						<u>38,317 09</u>
Balance available	.	.	.	.	.	\$1,682 91
Storehouse (Chapter 126, Acts 1923):						
Appropriation	.	.	.	.	.	\$35,000 00
Expenditures authorized in 1923	.	.	.	.	.	<u>—</u>
Balance available	.	.	.	.	.	\$35,000 00

## Belchertown School.

# Custodial Building (Chapter 203, Acts 1921):

Appropriation						\$133,000 00
Expenditures previously authorized	.	.	.	.	\$100,270 59	
Expenditures authorized in 1923	.	.	.	.	29,989 17	
						<u>130,259 76</u>

Balance available	.	.	.	.	.	\$2,740 24
Dormitory Building (Chapter 203, Acts 1921):						
Appropriation	.	.	.	.	.	\$98,000 00
Expenditures previously authorized	.	.	.	.	\$63,138 86	
Expenditures authorized in 1923	.	.	.	.	31,855 67	
						<u>94,994 53</u>

Balance available	.	.	.	.	.	\$3,005 47
Employees' Cottages (Chapter 203, Acts 1921):						
Appropriation	.	.	.	.	.	\$29,400 00
Expenditures previously authorized	.	.	.	.	\$24,005 23	
Expenditures authorized in 1923	.	.	.	.	4,530 53	
						<u>28,535 76</u>

Balance available	.	.	.	.	.	\$864 24
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# Two Dormitory Buildings (Chapter 129, Acts 1922; Chapter 546, Acts 1922):

Appropriation	.	.	.	.	.	\$155,000 00
Appropriation	.	.	.	.	.	31,000 00
Total	.	.	.	.	.	\$186,000 00
Expenditures previously authorized	.	.	.	.	\$74,351 14	
Expenditures authorized in 1923	.	.	.	.	65,321 51	
						<u>139,672 65</u>

Balance available	.	.	.	.	.	\$46,327 35
Employees' Dormitory (Chapter 129, Acts 1922; Chapter 126, Acts 1923):						
Appropriation (1922)	.	.	.	.	.	\$30,000 00
Appropriation (1923)	.	.	.	.	.	27,500 00

Total	.	.	.	.	.	\$57,500 00
Expenditures previously authorized	.	.	.	.	\$10,132 95	
Expenditures authorized in 1923	.	.	.	.	22,570 72	
						<u>32,703 67</u>

Balance available	.	.	.	.	.	\$24,796 33
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# Service Building (Chapter 129, Acts 1922):

Appropriation	.	.	.	.	.	\$40,000 00
Expenditures previously authorized	.	.	.	.	\$16,751 86	
Expenditures authorized in 1923	.	.	.	.	15,816 75	
						<u>32,568 61</u>

Balance available	.	.	.	.	.	\$7,431 39
Dairy Barn (Chapter 129, Acts 1922):						
Appropriation	.	.	.	.	.	\$30,000 00
Expenditures previously authorized	.	.	.	.	\$3,809 48	
Expenditures authorized in 1923	.	.	.	.	17,973 31	
						<u>21,782 79</u>

Balance available	.	.	.	.	.	\$8,217 21
Superintendent's House (Chapter 120, Acts 1922):						
Appropriation	.	.	.	.	.	\$15,000 00
Expenditures previously authorized	.	.	.	.	\$17 50	
Expenditures authorized in 1923	.	.	.	.	2,775 59	
						<u>2,793 09</u>

Balance available	.	.	.	.	.	\$12,206 91
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Land, Buildings (Chapter 160, Resolves 1916; Chapter 127, Resolves 1917):

Appropriation						\$150,000 00
Expenditures previously authorized					\$148,106 13	
Expenditures authorized in 1923					1,886 76	
					<u>149,992 89</u>	
Balance reverted to State Treasury						\$7 11
Water Supply (Chapter 224, Gen. Acts 1918):						
Appropriation						\$50,000 00
Expenditures previously authorized					\$47,960 05	
Expenditures authorized in 1923					1,538 16	
					<u>49,498 21</u>	
Balance available						\$501 79
Custodial Building (Chapter 211, Special Acts 1919; Chapters 225, 629, Acts 1920):						
Appropriation (1919)						\$84,000 00
Authorized transfer						11,000 00
Appropriation (1920)						97,700 00
Total						\$192,700 00
Expenditures previously authorized					\$161,285 00	
Expenditures authorized in 1923					31,094 70	
					<u>192,379 70</u>	
Balance available						\$320 30
Dormitory for 105 Inmates (Chapter 211, Special Acts 1919; Chapters 225, 629, Acts 1920):						
Appropriation (1919)						\$23,000 00
Authorized transfer						50,000 00
Appropriation (1920)						69,492 00
Total						\$142,492 00
Expenditures previously authorized					\$118,898 90	
Expenditures authorized in 1923					23,446 54	
					<u>142,345 44</u>	
Balance available						\$146 56
Storehouse and Bakery (Chapter 211, Special Acts 1919):						
Appropriation						\$60,000 00
Authorized transfer						20,000 00
Total						\$80,000 00
Expenditures previously authorized					\$66,522 97	
Expenditures authorized in 1923					13,476 39	
					<u>79,999 36</u>	
Balance available						\$0 64
Laundry Building (Chapter 211, Special Acts 1919):						
Appropriation						\$13,000 00
Authorized transfer						20,000 00
Total						\$33,000 00
Expenditures previously authorized					\$26,671 54	
Expenditures authorized in 1923					6,327 05	
					<u>32,998 59</u>	
Balance available						\$1 41
Power House (Chapter 211, Special Acts 1919):						
Appropriation						\$108,000 00
Expenditures previously authorized					\$93,433 81	
Expenditures authorized in 1923					14,498 81	
					<u>107,932 62</u>	
Balance available						\$67 38
Tunnels and Piping (Chapter 211, Special Acts 1919):						
Appropriation						\$53,000 00
Expenditures previously authorized					\$49,852 28	
Expenditures authorized in 1923					3,144 90	
					<u>52,997 18</u>	
Balance available						\$2 82
Electric Service Lines (Chapter 126, Acts 1923):						
Appropriation						\$6,650 00
Expenditures authorized in 1923						5,446 25
Balance available						\$1,203 95

Remodeling and Furnishing Cottages (Chapter 126, Acts 1923):			
Appropriation			\$14,000 00
Expenditures authorized in 1923			469 11
Balance available			\$13,530 89
Repairs to Gutters and Pipes (Chapter 494, Acts 1923):			
Appropriation			\$2,431 20
Expenditures authorized in 1923			2,427 20
Balance reverted to State Treasury			\$4 00
Additional Boiler (Chapter 494, Acts 1923):			
Appropriation			\$7,800 00
Authorized transfer from extraordinary expenses			3,700 00
Total			\$11,500 00
Expenditures authorized in 1923			4,895 90
Balance available			\$6,604 10
Spur Track (Chapter 129, Acts 1922):			
Appropriation			\$26,000 00
Expenditures previously authorized		\$2,221 22	
Expenditures authorized in 1923		15,375 90	
			17,597 12
Balance available			\$8,402 88
Water and Sewerage System (Chapter 129, Acts 1922; Chapter 126, Acts 1923):			
Appropriation (1922)			\$65,000 00
Appropriation (1923)			34,800 00
Total			\$99,800 00
Expenditures previously authorized		\$35,404 85	
Expenditures authorized in 1923		54,823 67	
			90,228 52
Balance available			\$9,571 48
Tunnels, Conduits, Roads (Chapter 129, Acts 1922):			
Appropriation			\$34,000 00
Expenditures previously authorized		\$25,796 43	
Expenditures authorized in 1923		8,124 48	
			33,920 91
Balance available			\$79 09
Furnishings and Equipment (Chapter 129, Acts 1922; Chapter 126, Acts 1923):			
Appropriation (1922)			\$50,000 00
Appropriation (1923)			59,800 00
Total			\$109,800 00
Expenditures previously authorized		\$26,574 21	
Expenditures authorized in 1923		48,485 23	
			75,059 44
Balance available			\$34,740 56
Purchase of Certain Land (Chapter 129, Acts 1922):			
Appropriation			\$10,000 00
Expenditures previously authorized		\$307 95	
Expenditures authorized in 1923		9,639 13	
			9,947 08
Balance available			\$52 92
Service Line, Conduit and Tunnel (Chapter 126, Acts 1923):			
Appropriation			\$37,000 00
Expenditures authorized in 1923			21,636 27
Balance available			\$15,363 73
New Walks (Chapter 494, Acts 1923):			
Appropriation			\$5,000 00
Expenditures authorized in 1923			688 30
Balance available			\$4,311 70

*Norfolk Hospital.*

Purchase of Certain Land (Chapter 242, Acts 1919; Chapter 502, Acts 1921):			
Appropriation (1919)			\$500 00
Appropriation (1921)			100 00
Total			\$600 00
Expenditures previously authorized		—	
Expenditures authorized in 1923		\$600 00	
			\$600 00

## GENERAL MATTERS.

## NEW LEGISLATION.

The following acts were passed by the Legislature of 1923:—

## CHAPTER 180.

AN ACT RELATIVE TO THE PAYMENT OF RENTAL BY THE COMMONWEALTH TO THE CITY OF WORCESTER FOR THE USE OF ITS SEWERAGE SYSTEM FOR THE SEWAGE OF THE WORCESTER STATE HOSPITAL.

*Be it enacted, etc., as follows:*

Chapter three hundred and sixty-three of the Special Acts of nineteen hundred and sixteen, as amended in section two by section one of chapter one hundred and sixty-five of the Special Acts of nineteen hundred and nineteen is hereby further amended by striking out said section two and inserting in place thereof the following:—*Section 2.* The commonwealth shall pay to the city of Worcester as rental for the use of its sewerage system for the sewage of the Worcester state hospital the sum of thirty-one hundred dollars annually for a period of five years, beginning December first, nineteen hundred and twenty-two. [Approved March 28, 1923.]

## CHAPTER 245.

AN ACT RELATIVE TO TRANSFERS AND REMOVALS BY THE DEPARTMENT OF MENTAL DISEASES.

*Be it enacted, etc., as follows:*

SECTION 1. Section twenty of chapter one hundred and twenty-three of the General Laws, as amended by section two of chapter three hundred and seventeen of the acts of nineteen hundred and twenty-one and section four of chapter four hundred and ten of the acts of nineteen hundred and twenty-two, is hereby further amended by striking out, in the seventh, eighth and ninth lines, the words “, and no person shall be so transferred to the Bridgewater state hospital unless he has been a criminal and vicious in his life”, by striking out the fourth sentence, by striking out, in the nineteenth line, the words “state charge” and inserting in place thereof the word:—inmate,— and by striking out, in the twenty-second and twenty-third lines, the words “state charge or indigent”, so as to read as follows:—*Section 20.* The department, subject to the following section, may transfer to and from any institution any inmate thereof who, in its opinion, is a proper subject for admission to the institution to which he is to be transferred; but no such inmate shall be transferred to be detained as an insane person unless he has been duly committed as insane by a judge or court. A record of such transfer shall be entered in the registers of the institutions to and from which he is transferred. The commitment papers, together with an abstract of his hospital case record, shall be transmitted with him to the institution to which he is transferred. The department may also remove any inmate in any state hospital to any country, state or place where he belongs, and may enter into an agreement with the corresponding board or commission of any other state for the transfer of any insane person from one state to the other where, after a full investigation of all the facts, he may be deemed equitably to belong; but no such person shall be removed outside this commonwealth if he is subject to the orders of a court of this commonwealth, except that any such person who is subject to such orders may be so removed from Bridgewater state hospital at any time when he would have been entitled to parole if he had not become insane. In making such transfers and removals the department, so far as practicable, shall employ nurses or attendants instead of officers of the law, and shall employ female nurses or attendants to accompany female patients.

SECTION 2. Section eighteen of chapter one hundred and twenty of the General Laws is hereby repealed. [Approved April 9, 1923.]

## CHAPTER 331.

AN ACT RELATIVE TO THE INVESTIGATION BY THE DEPARTMENT OF MENTAL DISEASES OF THE MENTAL CONDITION OF CERTAIN PERSONS HELD FOR TRIAL.

*Be it enacted, etc., as follows:*

Section one hundred A of chapter one hundred and twenty-three of the General Laws, inserted by chapter four hundred and fifteen of the acts of nineteen hundred and twenty-one, is hereby amended by inserting at the end thereof the following:—In the event of failure by the clerk of a district court or the trial justice to give notice



to the department as aforesaid, the same shall be given by the clerk of the superior court after entry of the case in said court. Upon giving the notice required by this section the clerk of a court or the trial justice shall so certify on the papers. The physician making such examination shall, upon certification by the department, receive the same fees and traveling expenses as provided in section seventy-three for the examination of persons committed to institutions and such fees and expenses shall be paid in the same manner as provided in section seventy-four for the payment of commitment expenses, — so as to read as follows: — *Section 100A.* Whenever a person is indicted by a grand jury for a capital offense or whenever a person, who is known to have been indicted for any other offense more than once or to have been previously convicted of a felony, is indicted by a grand jury or bound over for trial in the superior court, the clerk of the court in which the indictment is returned, or the clerk of the district court or the trial justice, as the case may be, shall give notice to the department of mental diseases, and the department shall cause such person to be examined with a view to determine his mental condition and the existence of any mental disease or defect which would affect his criminal responsibility. The department shall file a report of its investigation with the clerk of the court in which the trial is to be held, and the report shall be accessible to the court, the district attorney and to the attorney for the accused, and shall be admissible as evidence of the mental condition of the accused. In the event of failure by the clerk of a district court or the trial justice to give notice to the department as aforesaid, the same shall be given by the clerk of the superior court after entry of the case in said court. Upon giving the notice required by this section the clerk of a court or the trial justice shall so certify on the papers. The physician making such examination shall, upon certification by the department, receive the same fees and traveling expenses as provided in section seventy-three for the examination of persons committed to institutions and such fees and expenses shall be paid in the same manner as provided in section seventy-four for the payment of commitment expenses. [Approved April 30, 1923.]

#### CHAPTER 397.

#### AN ACT RELATIVE TO DOCKETS AND RECORDS IN DEFECTIVE DELINQUENT PROCEEDINGS.

*Be it enacted, etc., as follows:*

Section one hundred and twenty-one of chapter one hundred and twenty-three of the General Laws is hereby amended by striking out all after the word "kept" in the third line and inserting in place thereof the following: — by the clerk of the court in which the justice making the commitment under said sections sits. The clerk shall receive and keep on file the original application, the certificate of physicians and the copy of the order of commitment attested by and with the return thereon of the officer or other person serving the same, — so as to read as follows: — *Section 121.* A docket for, and a record of all proceedings under sections one hundred and thirteen to one hundred and twenty-four, inclusive, and all papers in connection therewith, shall be kept by the clerk of the court in which the justice making the commitment under said sections sits. The clerk shall receive and keep on file the original application, the certificate of physicians and the copy of the order of commitment attested by and with the return thereon of the officer or other person serving the same. [Approved May 16, 1923.]

#### CHAPTER 467.

#### AN ACT RELATIVE TO THE COMMITMENT OF INSANE PERSONS TO THE BRIDGEWATER STATE HOSPITAL, AND TO THE TRANSFER OR DISCHARGE OF INMATES THEREOF.

*Whereas,* The deferred operation of this act would tend to defeat its purpose, therefore it is hereby declared to be an emergency law, necessary for the immediate preservation of the public peace, safety and convenience.

*Be it enacted, etc., as follows:*

**SECTION 1.** Chapter one hundred and twenty-three of the General Laws is hereby amended by inserting after section twenty-two the following new section: — *Section 22A.* The department shall, subject to all provisions of law now or hereafter in effect, have the same supervision over the commitment of insane persons to the Bridgewater state hospital as it has over the commitment of insane persons to other state hospitals under the provisions of this chapter; it shall have the same authority to discharge or transfer inmates of said Bridgewater state hospital who are not under sentence, or whose sentences have expired, as it has to discharge or transfer inmates of other state hospitals. In construing this section a maximum and minimum sentence shall be held to have expired at the end of the minimum term, and an indeterminate sentence, at

the end of the maximum period fixed by law. But the said Bridgewater state hospital shall remain under the jurisdiction of the department of correction and the control of the superintendent of the state farm. Nothing herein contained shall be construed as conferring on the department of mental diseases any authority to change or vary, except as herein provided, the decree or order of a court having competent jurisdiction.

SECTION 2. Section one hundred of said chapter one hundred and twenty-three is hereby amended by inserting after the word "hospital" in the sixth line the words:— or to the Bridgewater state hospital, — and also by inserting after the word "limitations" in the same line the words: —, subject to the provisions of section one hundred and five, — so as to read as follows:— *Section 100.* If a person under complaint or indictment for any crime is, at the time appointed for trial or sentence, or at any time prior thereto, found by the court to be insane or in such mental condition that his commitment to an institution for the insane is necessary for his proper care or observation pending the determination of his insanity, the court may commit him to a state hospital or to the Bridgewater state hospital under such limitations, subject to the provisions of section one hundred and five as it may order. The court may in its discretion employ one or more experts in insanity, or other physicians qualified as provided in section fifty-three, to examine the defendant, and all reasonable expenses incurred shall be audited and paid as in the case of other court expenses. A copy of the complaint or indictment and of the medical certificates attested by the clerk shall be delivered with such person in accordance with section fifty-three. If reconveyed to jail or custody under section one hundred and five, he shall be held in accordance with the terms of the process by which he was originally committed or confined.

SECTION 3. Section one hundred and one of said chapter one hundred and twenty-three is hereby amended by inserting after the word "hospital" in the third line the words:— or to the Bridgewater state hospital, — so as to read as follows:— *Section 101.* If a person indicted for murder or manslaughter is acquitted by the jury by reason of insanity, the court shall order him to be committed to a state hospital or to the Bridgewater state hospital during his natural life. The governor, with the advice and consent of the council, may discharge such a person therefrom when he is satisfied after an investigation by the department that such discharge will not cause danger to others.

SECTION 4. Section one hundred and five of said chapter one hundred and twenty-three is hereby amended by inserting after the word "four" in the third line the words:—, or of the commissioner of correction and the superintendent of the state farm when the removal has been made to the Bridgewater state hospital, — so as to read as follows:— *Section 105.* When in the opinion of the trustees and superintendent of the state hospital to which a prisoner has been removed under section one hundred or section one hundred and four, or of the commissioner of correction and the superintendent of the state farm when the removal has been made to the Bridgewater state hospital, the prisoner is restored to sanity, they shall so certify upon the commitment, and notice accompanied by a written statement regarding the mental condition of the prisoner shall be given to the keeper or master of the jail or house of correction, the superintendent of the prison, or to the person having custody of him at the time of the removal, who shall thereupon cause the prisoner to be reconveyed to the jail, house of correction, prison, or custody from which he was removed. [Approved May 25, 1923.]

## SPECIAL APPROPRIATIONS.

The special appropriations for the year 1923, and for ten, fifteen, and twenty-five year periods, are shown in the following table:—

	1923.	Fifteen Years, ending 1923.	Ten Years, ending 1908.	Twenty- five Years, ending 1923.
Worcester Hospital . . . . .	-	\$270,660 00	\$299,098 44	\$569,758 44
Taunton Hospital . . . . .	-	194,485 00	325,205 00	519,690 00
Northampton Hospital: Constructing and furnishing building to accom- modate 86 patients . . . . .	\$100,000 00			
Purchase of the Courtney property . . . . .	4,000 00			
	\$104,000 00	307,685 00	217,300 00	524,985 00
Danvers Hospital: Constructing storage house for roots and vege- tables . . . . .	\$6,000 00	460,900 00	364,100 00	825,000 00
Westborough Hospital . . . . .	-	439,750 00	454,625 00	894,375 00
Boston Hospital: Constructing house for superintendent . . . . .	\$15,000 00	2,736,209 37	-	2,736,209 37
For land taken by eminent domain . . . . .	-	400,000 00	-	400,000 00
Psychopathic Hospital . . . . .	-	-	-	-
Grafton Hospital . . . . .	-	1,267,089 50	517,900 00	1,784,989 50
Medfield Hospital: Installation of continuous baths . . . . .	\$23,000 00			
Constructing and equipping hydiatic room . . . . .	11,900 00			
Equipping bathtubs with automatic control valves . . . . .	7,500 00			
Improvement of water supply . . . . .	4,300 00			
Purchase of land . . . . .	3,000 00			
	\$49,700 00	303,677 00	558,700 00	862,377 00
Gardner Colony: Alterations in male and female infirmary build- ings . . . . .	\$6,000 00			
Alterations in domestic building . . . . .	47,000 00			
	\$53,000 00	439,244 00	495,950 00	935,194 00
Monson Hospital: Constructing three cottages for married phy- sicians and officers . . . . .	\$15,000 00			
Rebuilding ice house . . . . .	2,000 00			
	\$17,000 00	340,245 00	431,800 00	772,045 00
Foxborough Hospital: Constructing an administration, medical and surgical building . . . . .	\$130,000 00			
Furnishings for certain ward buildings . . . . .	20,000 00			
Purchase of land . . . . .	5,000 00			
	\$155,000 00	1,233,841 72	173,150 00	1,406,991 72
Massachusetts School for the Feeble-minded: Constructing central heating and power plant . . . . .	\$85,000 00			
Constructing building for 36 employees . . . . .	14,000 00			
Furnishings for officers' quarters . . . . .	5,000 00			
Constructing house destroyed by fire . . . . .	4,500 00			
	\$108,500 00	378,200 00	537,100 00	915,300 00
Wrentham State School: Constructing sewer beds, this amount to be in addition to amount appropriated in 1922 . . . . .	\$10,000 00			
Completion of storehouse . . . . .	35,000 00			
	\$45,000 00	1,154,360 00	247,800 00	1,402,160 00
Belchertown State School: Extension of water system . . . . .	\$34,800 00			
For certain furnishings and equipment in addi- tion to amount appropriated in 1922 . . . . .	59,800 00			
Constructing tunnel, conduits and service line extensions . . . . .	37,000 00			
Constructing electric service lines . . . . .	6,650 00			



	1923.	Fifteen Years, ending 1923.	Ten Years, ending 1908.	Twenty- five Years, ending 1923.
Belchertown State School— <i>Con.</i>				
Remodeling and furnishing employees' cot- tages	\$14,000 00			
For the purchase and setting of additional boiler <sup>1</sup>	11,500 00			
Constructing walks <sup>1</sup>	5,000 00			
Repairs to gutters and conductor pipes <sup>1</sup>	2,431 20			
	\$198,681 20	\$1,722,273 20	—	\$1,722,273 20
State Infirmary (Mental Wards)	—	—	\$120,000 00	120,000 00
Bridgewater Hospital	—	90,000 00	235,000 00	325,000 00
Hospital for the Insane of the Metropolitan Dis- trict	—	115,000 00	—	115,000 00
Norfolk Hospital	—	600 00	—	600 00
Purchase of Boston Insane Hospital (see Boston State Hospital)	—	1,000,000 00	—	1,000,000 00
Totals	\$751,881 20	\$12,854,219 79	\$4,977,728 44	\$17,831,948 23

*Summary of Special Appropriations.*

Insane:				
Constructing, furnishing and equipping build- ings for patients and nurses	\$100,000 00	\$3,833,009 03	\$2,207,525 00	\$6,040,534 03
Number of patients provided for	86	3,759	2,992	6,741
Average per capita cost	\$1,162 79	\$831 44	\$596 27	\$728 29
Number of nurses provided for	—	777	651	1,428
Average per capita cost	—	\$910 69	\$650 49	\$792 07
Patients and nurses provided for	86	4,536	3,643	8,169
Average per capita cost	\$1,162 79	\$845 01	\$605 96	\$739 44
Land, buildings for officers and employees and for administrative purposes, including furn- ishing and equipment, improvements and repairs	\$291,200 00	\$4,594,155 06	\$1,733,886 44	\$6,328,041 50
Totals	\$391,200 00	\$8,427,164 09	\$3,941,411 44	\$12,368,575 53
Feeble-minded: —				
Constructing, furnishing and equipping build- ings for patients and nurses	—	\$1,421,192 00	\$425,500 00	\$1,846,692 00
Number of patients provided for	—	2,168	840	3,013
Average per capita cost	—	\$616 09	\$435 12	\$564 61
Number of nurses provided for	—	131	82	213
Average per capita cost	—	\$652 67	\$731 70	\$683 09
Patients and nurses provided for	—	2,299	922	3,226
Average per capita cost	—	\$618 17	\$461 50	\$572 44
Land, buildings for officers and employees, and for administrative purposes, including furn- ishing and equipment, improvements and repairs	\$352,181 20	\$1,833,641 20	\$359,400 00	\$2,193,041 20
Totals	\$352,181 20	\$3,254,833 20	\$784,900 00	\$4,039,733 20
Epileptic (sane): —				
Constructing, furnishing and equipping build- ings for patients and nurses	—	\$87,000 00	\$152,550 00	\$239,550 00
Number of patients provided for	—	150	192	342
Average per capita cost	—	\$560 00	\$732 03	\$656 57
Number of nurses provided for	—	4	27	31
Average per capita cost	—	\$750 00	\$444 44	\$483 87
Patients and nurses provided for	—	154	219	373
Average per capita cost	—	\$564 93	\$696 57	\$642 22
Land, buildings for officers and employees, and for administrative purposes, including furn- ishing and equipment, improvements and repairs	\$8,500 00	\$79,622 50	\$63,350 00	\$142,972 50
Totals	\$8,500 00	\$166,622 50	\$215,900 00	\$382,522 50

<sup>1</sup> \$15,231.20 of these three items to be taken from item 507 of General appropriation of 1922 for the extension of spur track and construction of coal trestle. \$3,700 of the amount for additional boiler was transferred by the Governor and Council from the appropriation for extraordinary expense.



	1923.	Fifteen Years, ending 1923.	Ten Years, ending 1908.	Twenty- five Years, ending 1923.
Inebriate: —				
Land, buildings for officers and employees and for administrative purposes, including fur- nishing and equipment, improvements and repairs . . . . .	-	-	\$35,517 06	\$41,117 00
All classes: —				
Constructing, furnishing and equipping build- ings for patients and nurses . . . . .	\$100,000 00	\$5,341,201 03	\$2,785,575 00	\$8,126,776 03
Number of patients provided for . . . . .	86	6,077	4,024	10,096
Average per capita cost . . . . .	\$1,162 79	\$747 91	\$596 11	\$677 01
Number of nurses provided for . . . . .	-	912	760	1,672
Average per capita cost . . . . .	-	\$872 93	\$651 94	\$772 48
Patients and nurses provided for . . . . .	86	6,989	4,784	11,768
Average per capita cost . . . . .	\$1,162 79	\$764 22	\$583 27	\$690 58
Land, buildings for officers and employees and for administrative purposes, including fur- nishing and equipment, improvements and repairs . . . . .	\$651,881 20	\$6,513,018 76	\$2,192,153 44	\$8,705,172 20
Totals . . . . .	\$751,881 20	\$11,854,219 79	\$4,977,728 44	\$16,831,948 23
Average amount appropriated annually . . . . .	-	\$790,281 31	-	\$673,277 92
Purchase of the Boston Insane Hospital . . . . .	-	\$1,000,000 00	-	\$1,000,000 00
Totals . . . . .	\$751,881 20	\$12,854,219 79	\$4,977,728 44	\$17,831,948 23

## FINANCIAL STATISTICS.

TABLE 1. — *Balance Sheet, 1923.*

Inventory, Nov. 30, 1922	\$24,102,087 82	Inventory, Nov. 30, 1923	\$25,392,915 70
Unexpended balance of special appropriations	\$1,406,593 27	Unexpended balance of special appropriations	953,077 10
Accounts receivable	59,637 73	Unexpended balance of maintenance appropriations reverting to State Treasury	297,514 73
Private funds	74,416 05	Accounts receivable	68,766 30
Total resources	\$25,642,644 87	Private funds	73,615 19
Net increase in value of property	1,337,136 56	Total resources	\$26,695,889 02
Maintenance appropriation granted	7,195,976 53	Net depreciation in value of property	37,980 97
Special appropriation granted	751,881 20	Expenditures from maintenance appropriations	6,988,461 80
Resources from all sources except State Treasurer	724,569 23	Expenditures from special appropriations	1,201,873 86
Aggregate	\$35,652,208 39	Unexpended balances of special appropriations reverting to State Treasury	3,433 51
		Money received and remitted to State Treasury	724,569 23
		Aggregate	\$35,652,208 39

TABLE 2. — *Financial Summary for Year ending Nov. 30, 1923.*

INSTITUTIONS.		RESOURCES Nov. 30, 1923.					
		Inventory.	Unexpended Balance of Special Appropriations.	Unexpended Balance of Maintenance Appropriation reverting to State Treasury.	Accounts receivable.	Private Funds.	Total Resources.
The insane:							
Worcester Hospital	.	\$3,047,346 59	\$170 35	\$14,085 24	\$11,125 86	\$9,130 67	\$3,082,158 71
Taunton Hospital	.	983,008 40	140 37	15,530 52	3,967 36	—	1,002,646 65
Northampton Hospital	.	1,251,618 14	103,904 50	36,359 82	4,785 99	836 35	1,397,504 80
Danvers Hospital	.	2,882,657 04	37,646 27	6,646 18	15,646 69	—	2,942,506 18
Westborough Hospital	.	1,408,799 70	—	2,733 67	15,051 46	4,418 14	1,431,002 97
Boston Hospital	.	3,593,149 06	12,381 19	803 93	4,773 00	—	3,611,110 18
Psychopathic Hospital	.	719,425 31	—	1,998 78	1,536 14	—	722,960 23
Grafton Hospital	.	1,672,160 57	22,835 63	20,606 09	2,233 92	—	1,717,836 21
Medfield Hospital	.	1,953,375 77	76,519 97	6,748 23	2,822 19	—	2,045,466 16
Foxborough Hospital	.	1,414,409 45	253,938 53	4,008 89	2,738 27	—	1,675,095 14
Gardner Colony	.	1,044,290 57	27,811 01	30,635 93	1,083 75	—	1,103,821 26
Totals	.	\$19,976,240 60	\$535,650 82	\$140,157 28	\$65,764 63	\$14,385 16	\$20,732,198 49
Miscellaneous:							
Monson Hospital	.	\$1,020,276 21	\$11,733 56	\$29,524 88	\$1,086 21	—	\$1,071,620 86
School for Feeble-minded at Waltham	.	1,485,641 65	152,729 57	5,656 03	1,428 89	\$59,230 03	1,704,686 17
Wrentham School	.	1,441,785 95	52,472 45	5,728 05	486 57	—	1,500,473 02
Belchertown School	.	1,450,160 29	200,490 70	26,448 49	—	—	1,677,099 48
Totals	.	\$5,406,864 10	\$117,426 28	\$67,357 45	\$3,001 67	\$59,230 03	\$5,953,879 53
Totals, Hospitals and Miscellaneous		\$25,383,104 70	\$953,077 10	\$207,514 73	\$68,766 30	\$73,615 19	\$26,686,078 02
Special projects:							
Metropolitan Hospital	.	9,811 00	—	—	—	—	9,811 00
Aggregates	.	\$25,392,915 70	\$953,077 10	\$207,514 73	\$68,766 30	\$73,615 19	\$26,695,889 02

TABLE 2. — *Financial Summary for Year ending Nov. 30, 1923* — Continued.

INSTITUTIONS.	Net Decrease in Resources during Year 1923.	EXPENDITURES.		Unexpended Balance of Special Appropriation reverting to State Treasury.	Money remitted to State Treasury from Receipts.	Aggregates.
		Maintenance Appropriation.	Special Appropriation.			
The insane:						
Worcester Hospital . . . . .	—	\$717,434 28	\$12,534 97	\$125 98	\$83,716 23	\$3,806,020 17
Taunton Hospital . . . . .	\$25,251 73	487,017 55	13,533 76	47	62,703 02	1,591,153 18
Northampton Hospital . . . . .	3,945 88	343,100 79	95 50	—	81,356 53	1,826,003 50
Danvers Hospital . . . . .	—	613,516 96	57,490 04	5 88	125,971 83	3,739,580 89
Westborough Hospital . . . . .	—	530,604 19	24,822 57	5 98	123,000 09	2,109,435 80
Boston Hospital . . . . .	—	752,997 47	42,136 43	2,589 77	105,160 73	4,513,994 58
Psychopathic Hospital . . . . .	8,783 36	209,159 41	—	—	13,849 76	934,752 76
Grafton Hospital . . . . .	—	513,707 01	50,761 81	552 97	17,875 63	2,300,733 63
Medfield Hospital . . . . .	—	379,823 95	48,730 77	—	31,732 12	2,705,813 00
Foxborough Hospital . . . . .	—	309,614 51	233,009 13	1 23	19,099 05	2,236,819 06
Gardner Colony . . . . .	—	320,227 60	118,621 66	—	14,485 28	1,557,155 80
Totals . . . . .	\$37,980 97	\$5,377,253 72	\$601,736 64	\$3,282 28	\$679,010 27	\$27,431,462 37
Miscellaneous:						
Monson Hospital . . . . .	—	\$372,640 92	\$9,487 56	\$0 56	\$19,407 83	\$1,473,157 73
School for Feeble-minded at Waltham . . . . .	—	541,892 99	458,257 80	11 75	18,905 28	2,723,753 99
Wrentham School . . . . .	—	470,046 21	80,893 02	—	6,104 96	2,037,517 21
Belchertown School . . . . .	—	226,627 96	51,498 84	138 92	1,140 89	1,936,506 09
Totals . . . . .	—	\$1,611,208 08	\$600,137 22	\$151 23	\$45,558 96	\$8,210,935 02
Totals, Hospitals and Miscellaneous . . . . .	\$37,980 97	\$6,988,461 80	\$1,201,873 86	\$3,433 51	\$724,569 23	\$35,642,397 39
Special projects:						
Metropolitan Hospital . . . . .	—	—	—	—	—	9,811 00
Aggregates . . . . .	\$37,980 97	\$6,988,461 80	\$1,201,873 86	\$3,433 51	\$724,569 23	\$35,652,208 39



TABLE 2. — *Financial Summary for the Year ending Nov. 30, 1923* — Continued.

Resources Nov. 30, 1922.					
INSTITUTIONS.					
	Inventory.	Unexpended Balance of Special Appropriations.	Accounts receivable.	Private Funds.	Total Resources.
The insane:					
Worcester Hospital . . . . .	\$2,979,749 70	\$13,131 30	\$9,173 69	\$8,819 18	\$3,010,873 87
Taunton Hospital . . . . .	1,006,036 12	13,674 60	6,191 37	—	1,025,902 09
Northampton Hospital . . . . .	1,257,753 28	—	2,608 09	824 99	1,261,186 36
Danvers Hospital . . . . .	2,819,693 37	89,142 19	7,346 71	—	2,916,182 27
Westborough Hospital . . . . .	1,385,944 83	24,828 55	16,364 44	—	1,431,009 75
Boston Hospital . . . . .	3,583,143 31	42,110 39	6,210 47	3,871 93	3,631,464 17
Psychopathic Hospital . . . . .	728,019 09	—	1,725 72	—	729,744 81
Grafton Hospital . . . . .	1,606,509 55	74,150 41	2,564 21	—	1,683,224 17
Medfield Hospital . . . . .	1,872,739 71	75,550 74	1,691 76	—	1,949,982 21
Foxborough Hospital . . . . .	1,161,187 16	331,948 89	2,454 13	—	1,495,590 18
Gardner Colony . . . . .	910,330 98	93,432 67	1,044 89	—	1,005,308 54
Totals . . . . .	\$19,311,607 10	\$757,969 74	\$57,375 48	\$13,516 10	\$20,140,468 42
Miscellaneous:					
Monson Hospital . . . . .	\$998,174 65	\$4,221 68	\$698 83	—	\$1,003,095 16
School for Feeble-minded at Waltham . . . . .	1,402,868 29	125,122 59	854 45	\$60,899 95	1,589,745 28
Wrentham School . . . . .	1,357,291 42	59,110 21	708 97	—	1,417,110 60
Belchertown School . . . . .	1,022,335 36	460,079 05	—	—	1,482,414 41
Totals . . . . .	\$4,780,669 72	\$648,533 53	\$2,262 25	\$60,899 95	\$5,492,365 45
Totals, Hospitals and Miscellaneous . . . . .	\$24,092,276 82	\$1,406,503 27	\$59,637 73	\$74,416 05	\$25,632,833 87
Special projects:					
Metropolitan Hospital . . . . .	9,811 00	—	—	—	9,811 00
Aggregates . . . . .	\$24,102,087 82	\$1,406,503 27	\$59,637 73	\$74,416 05	\$25,642,644 87

TABLE 2. — *Financial Summary for the Year ending Nov. 30, 1923 — Concluded.*

INSTITUTIONS.	Net Increase in Valuation.	APPROPRIATIONS.		Receipts from All Sources except State Treasurer.	Aggregates.
		Maintenance.	Special.		
The insane:					
Worcester Hospital . . . . .	\$69,860 55	\$731,569 52	—	\$83,716 23	\$3,896,020 17
Taunton Hospital . . . . .	—	502,548 07	—	62,703 02	1,591,153 18
Northampton Hospital . . . . .	—	379,460 61	—	81,356 53	1,826,003 50
Danvers Hospital . . . . .	71,263 65	620,163 14	\$104,000 00	125,971 83	3,739,580 89
Westborough Hospital . . . . .	22,088 10	533,337 86	6,000 00	123,000 09	2,109,435 80
Boston Hospital . . . . .	8,568 28	753,891 40	—	105,160 73	4,513,994 58
Psychopathic Hospital . . . . .	—	211,138 19	15,000 00	13,849 76	954,752 76
Grafton Hospital . . . . .	65,320 73	534,313 10	—	17,875 63	2,300,733 63
Medfield Hospital . . . . .	87,766 49	586,572 18	49,700 00	31,792 12	2,705,813 00
Foxborough Hospital . . . . .	253,506 43	313,623 40	155,000 00	19,099 05	2,236,819 06
Gardner Colony . . . . .	133,498 45	350,863 53	53,000 00	14,455 28	1,557,155 80
Totals . . . . .	\$711,872 68	\$5,517,411 00	\$382,700 00	\$679,010 27	\$27,431,462 37
Miscellaneous:					
Monson Hospital . . . . .	\$31,483 94	\$402,165 80	\$17,000 00	\$19,407 83	\$1,473,157 73
School for Feeble-minded at Waltham . . . . .	81,677 88	547,549 02	198,681 20	18,905 28	2,436,553 66
Wrentham School . . . . .	84,272 13	475,774 26	108,500 00	6,104 96	2,091,761 95
Belchertown School . . . . .	427,824 93	253,076 45	45,000 00	1,140 89	2,209,456 68
Totals . . . . .	\$625,263 88	\$1,678,565 53	\$369,181 20	\$45,558 96	\$8,210,935 02
Totals, Hospitals and Miscellaneous . . . . .	\$1,337,136 56	\$7,195,976 53	\$751,881 20	\$724,569 23	\$35,642,397 39
Special projects:					
Metropolitan Hospital . . . . .	—	—	—	—	9,811 00
Aggregates . . . . .	\$1,337,136 56	\$7,195,976 53	\$751,881 20	\$724,569 23	\$35,652,208 39

TABLE 3. — *Inventory of State Institutions, Nov. 30, 1923.*

	REAL ESTATE.									
	LAND.					BUILDINGS.				
	Acres.	Value.	Patients.	Nurses.	Farm.	Garage, Stable and Grounds.	Adminis- tration.	Domestic Service.	Engineer- ing and Mechanics.	
The insane:										
Worcester Hospital	589	\$416,357 00	\$1,623,707 27	\$100,268 79	\$85,015 09	\$9,950 00	—	\$4,850 00	—	
Taunton Hospital	336	47,800 00	411,374 00	69,040 00	58,703 08	7,500 00	\$18,695 55	8,790 00	\$30,000 00	
Northampton Hospital	513	127,553 75	468,464 25	85,222 45	33,675 00	7,500 00	1,700 00	41,353 00	40,064 00	
Danvers Hospital	517	88,400 00	1,421,892 48	61,900 00	35,631 60	4,000 00	344,883 72	81,666 45	91,206 97	
Westborough Hospital	764	59,860 00	670,861 72	46,446 63	32,441 36	4,868 00	18,688 00	2,875 73	24,627 85	
Boston Hospital	233	576,680 00	1,540,915 21	232,570 09	10,737 50	4,200 00	108,700 43	99,107 56	88,502 14	
Boston Psychopathic Hospital	2	43,060 00	537,615 00	—	—	—	—	—	—	
Grafton Hospital	908	28,426 50	515,689 00	91,469 00	44,969 34	2,000 00	95,554 61	159,318 00	33,220 00	
Medfield Hospital	617	40,730 00	740,354 98	137,411 39	64,259 39	8,760 00	77,496 45	234,935 52	172,347 26	
Foxborough Hospital	299	34,530 00	781,332 33	22,200 00	32,863 77	3,000 00	27,655 00	170,000 00	6,000 00	
Gardner Colony	1,848	36,850 00	336,876 25	46,179 97	33,801 29	8,511 81	24,507 35	93,443 97	22,918 24	
Totals	6,626	\$1,502,247 25	\$9,049,032 49	\$912,708 32	\$437,097 42	\$60,289 81	\$717,881 11	\$396,340 23	\$508,976 46	
Miscellaneous:										
Monson Hospital	662	\$14,362 00	\$373,908 82	\$58,335 88	\$23,107 03	\$13,432 44	\$53,419 92	\$68,245 61	\$24,975 03	
School for Feeble-minded at Waltham	1,993	62,521 00	533,475 48	106,745 57	21,786 04	5,390 00	95,987 99	25,156 50	81,190 09	
Wrentham School	590	18,223 50	532,341 00	66,376 00	41,657 00	3,100 00	38,070 00	46,553 00	57,577 24	
Belchertown School	703	15,602 00	548,595 00	63,693 40	33,282 79	—	18,553 82	105,170 52	65,811 24	
Totals	3,948	\$110,708 50	\$2,008,320 30	\$295,150 85	\$121,832 86	\$21,922 44	\$206,031 73	\$245,125 63	\$229,553 60	
Aggregates	10,574	\$1,612,955 75	\$11,057,402 79	\$1,207,859 17	\$558,930 28	\$82,212 25	\$923,912 84	\$1,141,465 86	\$738,530 06	

TABLE 3. — *Inventory of State Institutions, Nov. 30, 1923* — Continued.

INSTITUTIONS.	REAL ESTATE — CON.						
	BUILDINGS — CON.		BETTERMENTS.				
	Industrial.	Total.	Water System and Appurtenances.	Heating, Ventilating and Refrigerating.	Lighting System, including Engines, Dynamos, etc.	Plumbing and Plumbing Fixtures.	Sewage Disposal System and All Connections.
The insane:							
Worcester Hospital . . . . .	—	\$1,823,791 15	\$135,562 05	\$186,725 35	— <sup>1</sup>	\$3,083 56	\$699 28
Taunton Hospital . . . . .	\$12,000 00	616,102 63	23,766 32	34,144 00	\$24,250 00	17,465 16	15,326 95
Northampton Hospital . . . . .	—	677,978 70	27,590 77	49,423 33	6,190 91	2,355 77	21,580 04
Danvers Hospital . . . . .	—	2,041,271 22	98,982 20	144,801 45	97,769 55	115,384 31	9,700 00
Westborough Hospital . . . . .	1,650 00	802,459 29	91,429 90	50,348 05	35,054 04	35,590 71	22,719 95
Boston Hospital . . . . .	66,847 46	2,171,589 39	29,537 46	279,894 83	143,054 49	33,950 00	37,008 09
Boston Psychopathic Hospital . . . . .	—	537,615 00	27,346 84	74,177 42	—	—	—
Grafton Hospital . . . . .	47,679 00	989,898 95	159,393 70	127,447 13	22,713 55	47,657 46	46,574 55
Medfield Hospital . . . . .	42,160 00	1,477,724 99	30,361 18	102,529 23	10,304 81	30,364 40	41,008 07
Foxborough Hospital . . . . .	7,200 00	1,050,251 10	5,534 05	81,544 88	26,587 06	5,709 93	20,810 72
Gardner Colony . . . . .	9,450 43	580,689 31	55,103 92	128,456 95	—	—	21,389 67
Totals . . . . .	\$186,986 89	\$12,769,362 73	\$684,608 39	\$1,259,492 62	\$365,924 41	\$291,561 30	\$236,817 32
Miscellaneous:							
Monson Hospital . . . . .	\$7,612 84	\$623,037 57	\$24,366 04	\$80,672 34	\$17,431 79	\$25,897 39	\$5,645 40
School for Feeble-minded at Waltham . . . . .	40,600 00	910,331 67	28,250 06	150,255 79	18,253 46	33,677 63	9,118 14
Wrentham School . . . . .	67,921 52	873,595 76	29,243 89	149,948 71	41,696 11	61,748 82	25,000 00
Belchertown School . . . . .	52,350 73	889,457 50	120,566 67	235,080 72	20,809 05	48,520 00	27,735 06
Totals . . . . .	\$168,485 09	\$3,296,422 50	\$202,426 66	\$615,957 56	\$98,190 41	\$169,843 84	\$67,498 60
Aggregates . . . . .	\$355,471 98	\$16,065,785 23	\$887,035 05	\$1,875,450 18	\$464,114 82	\$461,405 14	\$304,315 92

<sup>1</sup> Included under heating.



TABLE 3. — *Inventory of State Institutions, Nov. 30, 1923* — Continued.

INSTITUTIONS.	REAL ESTATE — Con.					
	BETTERMENTS — Con.					
	Coal Trestle.	Local Telephone Call Bell and Watch Clock Systems.	Elevators and Dumb Waiters or Lifts.	Combination of Any.	Total.	Aggregates.
The insane:						
Worcester Hospital . . . . .	—	\$921 50	—	\$32,870 10	\$358,940 34	\$2,599,088 49
Taunton Hospital . . . . .	\$11,999 53	20 05	\$2,425 00	—	130,298 46	794,201 09
Northampton Hospital . . . . .	—	727 50	932 05	129,258 35	237,351 27	1,042,883 72
Danvers Hospital . . . . .	8,730 00	—	2,910 00	—	479,005 01	2,608,676 23
Westborough Hospital . . . . .	—	—	2,832 08	—	237,974 73	1,100,294 02
Boston Hospital . . . . .	—	2,877 03	7,662 15	—	533,981 05	3,282,244 44
Boston Psychopathic Hospital . . . . .	—	—	—	—	101,524 26	684,169 26
Grafton Hospital . . . . .	8,938 55	163 93	3,826 65	—	416,715 52	1,435,040 97
Medfield Hospital . . . . .	6,930 15	1,245 15	—	—	222,742 99	1,741,197 98
Roxbury Hospital . . . . .	4,000 00	—	—	—	144,186 64	1,228,967 74
Gardner Colony . . . . .	584 60	—	—	5,644 64	211,179 78	828,719 09
Totals . . . . .	\$41,182 83	\$5,955 16	\$20,587 93	\$167,773 09	\$3,073,903 05	\$17,345,513 03
Miscellaneous:						
Moulson Hospital . . . . .	\$4,704 50	\$460 90	\$2,239 71	—	\$161,418 07	\$798,817 64
School for Feeble-minded at Waltham . . . . .	20,888 73	—	—	—	260,443 81	1,233,296 48
Wrentham School . . . . .	—	—	—	—	307,637 53	1,199,436 79
Belchertown School . . . . .	5,459 87	—	—	—	458,171 37	1,363,230 87
Totals . . . . .	\$31,053 10	\$460 90	\$2,239 71	—	\$1,187,670 78	\$4,594,801 78
Aggregates . . . . .	\$72,235 93	\$6,416 06	\$22,827 64	\$167,773 09	\$4,261,573 83	\$21,940,314 81

TABLE 3. — *Inventory of State Institutions, Nov. 30, 1923* — Continued.

INSTITUTIONS.	REAL AND PERSONAL PROPERTY.					
	TRAVEL, TRANSPORTATION AND OFFICE EXPENSES.		FOOD.		CLOTHING AND MATERIALS.	
	Amount.	Increase.	Amount.	Increase.	Amount.	Increase.
The insane:						
Worcester Hospital . . . . .	\$11,164 20	\$2,692 11	\$19,224 65	\$6,224 99	\$31,561 41	\$1,363 17 <sup>1</sup>
Taunton Hospital . . . . .	799 11	5,161 78 <sup>1</sup>	15,255 87	232 74	15,547 80	1,141 11
Northampton Hospital . . . . .	2,347 30	3,811 20 <sup>1</sup>	16,567 11	1,083 63	15,258 46	146 05 <sup>1</sup>
Denver Hospital . . . . .	3,253 45	1,548 00 <sup>1</sup>	29,540 93	9,300 43	11,134 75	520 61 <sup>1</sup>
Westborough Hospital . . . . .	4,685 14	295 64	8,078 87	5,848 07 <sup>1</sup>	20,535 43	241 33
Boston Psychopathic Hospital . . . . .	2,501 20	202 39	2,858 29	1,195 92	1,469 81	142,252 66
Boston Hospital . . . . .	183 25	183 25	13,375 14	2,408 57 <sup>1</sup>	29,636 47	5,892 47
Grafton Hospital . . . . .	497 22	38 38 <sup>1</sup>	28,053 34	8,564 64	28,540 48	1,272 96 <sup>1</sup>
Medfield Hospital . . . . .	733 82	93 77	27,868 55	2,748 34	24,535 05	19,740 73
Foxborough Hospital . . . . .	1,383 56	98 71	13,271 16	4,039 69	10,281 40	19,663 00 <sup>1</sup>
Gardner Colony . . . . .	75 00	419 15 <sup>1</sup>	18,685 44	12,126 03	18,970 20	85,230 43
Totals . . . . .	\$27,623 25	\$7,412 64 <sup>1</sup>	\$192,779 35	\$37,859 77	\$213,471 26	15,616 87
Miscellaneous:						8,786 46
Monson Hospital . . . . .	\$3,103 32	\$63 68 <sup>1</sup>	\$10,658 72	\$3,995 02	\$14,452 99	112,074 63
School for Feeble-minded at Waltham . . . . .	4,072 54	1,244 20 <sup>1</sup>	24,488 37	9,879 56	19,807 00	\$1,285,435 82
Wrentham School . . . . .	4,220 30	98 60 <sup>1</sup>	23,225 97	7,630 70	29,256 46	\$86,812 97
Belchertown School . . . . .	3,031 75	1,306 08	4,661 95	1,659 15	6,248 30	\$75 35
Totals . . . . .	\$14,427 91	\$100 40 <sup>1</sup>	\$63,035 01	\$23,164 43	\$69,764 75	\$75 35
Aggregates . . . . .	\$42,051 16	\$7,513 04 <sup>1</sup>	\$255,814 36	\$61,024 20	\$283,236 01	2,427 31 <sup>1</sup>
						5,773 44
						4,368 54
						\$386,290 35
						\$1,671,726 17
						\$3,080 44
						94,148 76
						2,697 45
						5,457 06
						26,599 06
						\$37,834 01
						\$74,506 46

<sup>1</sup> Decrease.

TABLE 3. — *Inventory of State Institutions, Nov. 30, 1923* — Continued.

INSTITUTIONS.		REAL AND PERSONAL PROPERTY — Con.							
		MEDICAL AND GENERAL CARE.		HEAT, LIGHT AND POWER.		FARM.		GARAGE, STABLE AND GROUNDS.	
		Amount.	Increase.	Amount.	Increase.	Amount.	Increase.	Amount.	Increase.
The insane:									
Worcester Hospital	.	\$23,747 12	\$1,882 57	\$33,335 31	\$12,169 00	\$26,802 43	\$891 83	\$11,412 71	\$1,008 08 <sup>1</sup>
Taunton Hospital	.	20,899 94	8,433 69	15,290 13	3,143 96	22,716 50	12,565 62 <sup>1</sup>	5,235 35	52 71 <sup>1</sup>
Northampton Hospital	.	1,629 63	161 19 <sup>1</sup>	12,380 42	4,676 77	29,887 21	17,873 49 <sup>1</sup>	8,724 35	3,726 65
Danvers Hospital	.	12,047 30	89 58	38,897 68	12,184 40	46,024 53	2,114 80 <sup>1</sup>	4,687 12	5,715 16 <sup>1</sup>
Westborough Hospital	.	8,806 30	1,367 55 <sup>1</sup>	68,161 83	2,862 94	35,777 17	16,341 98 <sup>1</sup>	9,156 05	1,246 29
Boston Psychopathic Hospital	.	8,944 61	901 83	1,392 54	6,026 51 <sup>1</sup>	—	—	54 39	5 24
Boston Hospital	.	3,545 09	1,769 96	31,653 50	3,189 98 <sup>1</sup>	13,093 20	1,372 55 <sup>1</sup>	8,416 38	5,050 18
Grafton Hospital	.	8,938 19	2,847 92	26,417 08	4,191 12 <sup>1</sup>	28,631 15	5,370 92 <sup>1</sup>	3,910 24	3,910 24
Medford Hospital	.	7,376 51	554 22 <sup>1</sup>	26,536 38	14,622 70	27,700 70	640 03 <sup>1</sup>	5,465 36	664 90 <sup>1</sup>
Foxborough Hospital	.	10,877 68	235 22	18,785 83	13,690 50	17,943 84	153 28 <sup>1</sup>	5,790 68	159 01 <sup>1</sup>
Gardner Colony	.	3,299 32	869 34	10,880 22	1,730 15	35,544 86	16,292 27 <sup>1</sup>	4,291 39	1,045 09
Totals	.	\$110,111 69	\$14,997 15	\$288,730 92	\$57,372 81	\$284,121 59	\$71,839 01 <sup>1</sup>	\$67,144 02	\$7,383 83
Miscellaneous:									
Monson Hospital	.	\$13,940 34	\$312 79	\$17,125 56	\$4,741 88	\$22,270 94	\$3,138 72 <sup>1</sup>	\$7,085 40	\$730 45
School for Feeble-minded at Waltham	.	19,335 34	1,789 76	21,899 15	2,867 76 <sup>1</sup>	57,280 98	1,121 47 <sup>1</sup>	682 62	629 42
Wrentham School	.	10,997 12	6,075 43	22,564 22	13,323 24	20,986 24	1,799 54	5,636 44	71 32
Belchertown School	.	534 91	425 74	200 28	860 93 <sup>1</sup>	16,321 63	12,289 63	551 35	359 21 <sup>1</sup>
Totals	.	\$44,807 71	\$8,603 72	\$61,789 21	\$14,336 43	\$116,879 79	\$9,828 98	\$13,555 81	\$1,071 98
Aggregates	.	\$154,919 40	\$23,600 87	\$350,520 13	\$71,709 24	\$400,981 38	\$62,010 03 <sup>1</sup>	\$81,099 83	\$8,455 81

<sup>1</sup> Decrease.

TABLE 3. — *Inventory of State Institutions, Nov. 30, 1923 — Continued.*

INSTITUTIONS.	REAL AND PERSONAL PROPERTY — CON.					
	REPAIRS.		TOTAL VALUATION OF PERSONAL PROPERTY.		TOTAL VALUATION OF REAL PROPERTY.	
	Amount.	Increase.	Amount.	Increase.	Amount.	Increase.
The insane:						
Worcester Hospital . . . . .	\$26,647 59	\$10,539 92	\$448,258 10	\$55,488 93	\$2,599,088 49	\$12,107 96
Taunton Hospital . . . . .	9,637 14	4,877 70	188,807 31	14,043 12 <sup>1</sup>	794,201 09	8,984 60
Northampton Hospital . . . . .	21,746 16	2,537 48 <sup>1</sup>	203,734 42	17,642 34 <sup>1</sup>	1,042,883 72	11,507 20
Danvers Hospital . . . . .	21,084 11	293 38	273,980 81	12,210 55	2,608,676 23	50,753 12
Westborough Hospital . . . . .	11,052 23	6,297 23	308,505 68	7,535 57 <sup>1</sup>	1,100,294 02	30,390 44
Boston Psychopathic Hospital . . . . .	1,215 18	69 07 <sup>1</sup>	35,226 05	5,685 81 <sup>1</sup>	684,193 26	2,907 97 <sup>1</sup>
Boston Hospital . . . . .	13,503 86	6,021 69	310,304 62	7,363 49 <sup>1</sup>	3,282,244 44	17,369 24
Grafton Hospital . . . . .	19,391 73	960 03	237,119 60	11,698 74	1,435,040 87	53,352 28
Medfield Hospital . . . . .	12,730 99	3,743 19	218,177 79	33,950 83	1,741,197 98	30,686 23
Foxborough Hospital . . . . .	12,460 26	1,965 63	185,441 71	29,305 51	1,228,967 74	223,916 78
Gardner Colony . . . . .	11,750 42	3,516 65 <sup>1</sup>	215,571 48	18,038 67	828,719 09	115,420 92
Totals . . . . .	\$161,309 67	\$28,575 57	\$2,630,727 57	\$110,422 90	\$17,345,513 03	\$554,210 60
Miscellaneous:						
Monson Hospital . . . . .	\$17,414 97	\$461 29	\$230,458 57	\$10,194 82	\$798,817 64	\$30,906 74
School for Feeble-minded at Waltham . . . . .	10,630 41	1,742 28	252,345 17	9,077 73	1,233,296 48	73,695 63
Wrentham School . . . . .	7,551 73	7,950 58 <sup>1</sup>	242,329 16	32,081 55	1,199,456 79	52,412 98
Belchertown School . . . . .	5,534 67	5,394 26	86,929 42	50,822 32	1,363,230 87	377,002 61
Totals . . . . .	\$41,131 78	\$352 75 <sup>1</sup>	\$812,062 32	\$109,176 42	\$4,594,801 78	\$524,017 96
Aggregates . . . . .	\$202,441 45	\$28,222 82	\$3,442,789 89	\$212,599 32	\$21,940,314 81	\$1,078,228 56

<sup>1</sup> Decrease.



TABLE 3. — *Inventory of State Institutions, Nov. 30, 1923* — Concluded.

INSTITUTIONS.		REAL AND PERSONAL PROPERTY — CON.					
		TOTAL REAL AND PERSONAL PROPERTY.		PRIVATE FUNDS.		TOTAL INVENTORY.	
		Amount.	Increase.	Amount.	Increase.	Amount.	Increase.
The insane:							
Worcester Hospital . . . . .		\$3,047,346 59	\$67,506 89	\$9,130 67	\$311 49	\$3,056,477 26	\$67,908 38
Taunton Hospital . . . . .		933,008 40	23,027 72 1	—	—	933,008 40	23,027 72 1
Northampton Hospital . . . . .		1,231,618 14	6,135 14 1	836 35	11 36	1,232,454 49	6,123 78 1
Danvers Hospital . . . . .		2,882,657 04	62,963 67	—	—	2,882,657 04	62,963 67
Westborough Hospital . . . . .		1,408,799 70	22,854 87	4,418 14	546 21	1,413,217 84	23,401 08
Boston Psychopathic Hospital . . . . .		719,425 31	8,593 78 1	—	—	719,425 31	8,593 78 1
Boston Hospital . . . . .		3,593,149 06	10,005 75	—	—	3,593,149 06	10,005 75
Grafton Hospital . . . . .		1,672,160 57	65,631 02	—	—	1,672,160 57	65,631 02
Medfield Hospital . . . . .		1,959,375 77	86,636 06	—	—	1,959,375 77	86,636 06
Foxborough Hospital . . . . .		1,414,409 45	253,222 29	—	—	1,414,409 45	253,222 29
Gardner Colony . . . . .		1,044,290 57	133,459 59	—	—	1,044,290 57	133,459 59
Totals . . . . .		\$19,976,240 60	\$664,633 50	\$14,385 16	\$869 06	\$19,990,625 76	\$665,502 56
Miscellaneous:							
Monson Hospital . . . . .		\$1,029,276 21	\$31,101 56	—	—	\$1,029,276 21	\$31,101 56
School for Feeble-minded at Waltham . . . . .		1,435,641 65	82,773 36	\$59,230 03	\$1,011 33	1,544,871 68	83,784 69
Wrentham School . . . . .		1,441,785 95	84,494 53	—	—	1,441,785 95	84,494 53
Belchertown School . . . . .		1,450,160 29	427,824 93	—	—	1,450,160 29	427,824 93
Totals . . . . .		\$5,406,864 10	\$626,194 38	\$59,230 03	\$1,011 33	\$5,466,094 13	\$627,205 71
Aggregates . . . . .		\$25,383,104 70	\$1,200,827 88	\$73,615 19	\$1,880 39	\$25,456,719 89	\$1,292,708 27

1 Decrease.

TABLE 4. — *Receipts of State Institutions during the Year ending Nov. 30, 1923.*

INSTITUTIONS.	RECEIPTS FOR SUPPORT.			RECEIPTS ON ACCOUNT OF SALES OR REFUNDS.				
	Private.	Reimburse- ing.	Total Support.	Travel, Transportation and Office.	Food.	Clothing and Materials.	Furnish- ings.	Medical and General Care.
The insane:								
Worcester Hospital . . . . .	\$32,548 99	\$47,184 02	\$79,733 01	\$34 07	\$206 78	\$146 33	\$32 51	\$152 39
Taunton Hospital . . . . .	23,799 47	35,676 76	59,476 23	17 02	—	216 46	2 09	5 60
Northampton Hospital . . . . .	51,457 94	27,398 27	78,856 21	—	463 66	37 50	5 00	139 52
Danvers Hospital . . . . .	56,326 94	67,431 09	123,758 03	4 48	469 45	137 45	9 77	215 46
Westborough Hospital . . . . .	83,471 73	33,162 07	118,633 80	63 98	3,013 67	25 71	51 16	201 56
Boston Hospital . . . . .	30,829 43	72,232 29	103,061 72	94 86	703 08	44 90	68 19	40 25
Psychopathic Hospital . . . . .	8,519 91	3,246 00	11,765 91	—	123 39	—	—	—
Grafton Hospital . . . . .	1,825 00	10,404 13	12,229 13	—	3,164 39	70 64	15 00	35 75
Medfield Hospital . . . . .	2,775 85	24,896 68	27,672 53	—	2,518 88	25 23	21 92	—
Foxborough Hospital . . . . .	4,926 11	12,178 26	17,104 37	—	1,227 72	32 45	—	—
Gardner Colony . . . . .	3,907 90	5,013 65	8,921 55	—	3,427 77	398 17	24 23	1,052 13
Totals . . . . .	\$300,389 27	\$340,823 22	\$641,212 49	\$213 72	\$15,318 79	\$1,143 84	\$282 87	\$1,842 66
Miscellaneous:								
Monson Hospital . . . . .	\$9,228 30	\$7,979 72	\$17,208 02	—	\$185 10	\$58 59	\$43 50	\$39 12
School for Feeble-minded at Waltham . . . . .	9,437 30	6,015 42	15,452 42	\$97 42	1,706 80	105 40	190 25	—
Wrentham School . . . . .	855 73	2,038 66	2,894 39	—	23 70	245 39	31 48	23 82
Belchertown School . . . . .	500 00	42 43	542 43	—	83 57	—	—	—
Totals . . . . .	\$20,021 03	\$16,076 23	\$36,097 26	\$97 42	\$1,999 17	\$409 38	\$265 23	\$62 94
Totals, hospitals and miscellaneous . . . . .	\$320,410 30	\$356,899 45	\$677,309 75	\$311 14	\$17,317 96	\$1,553 22	\$548 10	\$1,905 60
Mental Wards, State Infirmary . . . . .	—	\$1,719 08	\$1,719 08	\$77 82	—	\$282 08	\$14 04	\$91 42
Bridgewater Hospital . . . . .	—	5,433 07	5,433 07	—	—	114 58	63 76	—
Totals . . . . .	—	\$7,152 15	\$7,152 15	\$77 82	—	\$396 66	\$77 80	\$91 42
Aggregates . . . . .	\$320,410 30	\$364,051 60	\$684,461 90	\$388 96	\$17,317 96	\$1,949 88	\$625 90	\$1,997 02

TABLE 4. — Receipts of State Institutions during the Year ending Nov. 30, 1923 — Concluded.

RECEIPTS ON ACCOUNT OF SALES OR REFUNDS — Con.									
INSTITUTIONS.									
	Heat, Light and Power.	Farm and Stable.	Grounds.	Repairs, Ordinary.	Repairs and Renovals.	Total Sales.	Miscella- neous.	Total Institution Receipts.	
The insane:									
Worcester Hospital	\$123 17	\$30 91	\$408 12	—	—	\$1,184 28	\$2,798 94	\$83,716 23	
Taunton Hospital	—	569 52	2 10	\$414 92	\$25 00	1,252 71	1,974 08	62,703 02	
Northampton Hospital	—	233 90	—	246 74	—	1,126 32	1,374 00	81,356 53	
Danvers Hospital	27 00	404 69	101 29	24 55	—	1,394 14	819 66	123,971 83	
Westborough Hospital	—	240 87	98	175 94	—	3,773 18	593 11	123,000 09	
Boston Hospital	44 85	73 28	—	31 00	—	1,100 41	993 60	105,160 73	
Psychopathic Hospital	—	—	—	77 26	—	200 65	1,883 20	13,849 76	
Grafton Hospital	—	271 65	—	46 16	—	3,612 59	2,033 91	17,875 63	
Medfield Hospital	6 90	474 47	—	219 39	—	3,269 79	849 80	31,792 12	
Foxborough Hospital	23 69	45 18	—	3 90	—	1,332 94	661 74	19,099 05	
Gardner Colony	—	342 93	—	—	—	5,245 23	318 50	14,485 28	
Totals	\$225 61	\$2,687 40	\$512 49	\$1,239 86	\$25 00	\$23,492 24	\$14,305 54	\$679,010 27	
Miscellaneous:									
Monson Hospital	\$1 90	\$789 02	\$3 15	\$604 65	—	\$1,785 03	\$414 78	\$19,407 83	
School for Feeble-minded at Waltham	21 65	375 13	—	308 50	—	2,805 15	647 71	18,905 28	
Wrentham School	—	583 47	25	127 70	—	1,035 81	2,174 76	6,104 96	
Belchertown School	—	25 00	—	—	—	108 57	489 89	1,140 89	
Totals	\$23 55	\$1,772 62	\$3 40	\$1,100 85	—	\$5,734 56	\$3,727 14	\$45,558 96	
Totals, hospitals and miscellaneous	\$249 16	\$4,460 02	\$515 89	\$2,340 71	\$25 00	\$29,226 80	\$18,032 68	\$724,569 23	
Mental Wards, State Infirmary	\$8 01	\$86 70	\$3 93	\$35 29	\$112 54	\$711 88	\$1,230 90	\$3,661 86	
Bridgewater Hospital	—	2,818 06	—	89 58	—	3,085 93	459 07	8,978 12	
Totals	\$8 01	\$2,904 76	\$3 93	\$124 87	\$112 54	\$3,797 86	\$1,689 97	\$12,639 98	
Aggregates	\$257 17	\$7,364 78	\$519 87	\$2,465 58	\$137 54	\$33,024 66	\$19,722 65	\$737,209 21	

TABLE 5. — *Expenses of Maintenance, 1923.*

INSTITUTIONS.		PERSONAL SERVICES.				RELIGIOUS INSTRUCTION.				
		Average Number of Patients.	Gross Expenses.	Receipts.	Net Expenses.	Net Weekly Per Capita Cost, 1923.	Gross Expenses.	Receipts.	Net Expenses.	Net Weekly Per Capita Cost, 1923.
The insane:										
Worcester Hospital	.	2,113.09	\$315,867 80	—	\$315,867 80	\$2 87	\$1,840 00	—	\$1,840 00	\$0 02
Taunton Hospital	.	1,396.31	212,064 48	—	212,064 48	2 92	1,620 00	—	1,620 00	02
Northampton Hospital	.	1,061.21	139,855 57	—	139,855 57	2 53	1,230 00	—	1,230 00	02
Danvers Hospital	.	1,658.82	249,808 35	—	249,808 35	2 90	1,721 47	—	1,721 47	02
Westborough Hospital	.	1,323.79	216,051 92	—	216,051 92	3 14	1,362 00	—	1,362 00	02
Boston Hospital	.	2,114.05	312,432 13	—	312,432 13	2 84	2,050 00	—	2,050 00	02
Psychopathic Hospital	.	78.91	126,601 64	—	126,601 64	30 85	930 00	—	930 00	23
Grafton Hospital	.	1,451.99	228,980 50	—	228,980 50	3 03	1,380 00	—	1,380 00	02
Medfield Hospital	.	1,696.84	244,794 24	—	244,794 24	2 77	2,010 00	—	2,010 00	02
Foxborough Hospital	.	565.42	132,701 13	—	132,701 13	4 51	1,603 71	—	1,603 71	04
Gardner Colony	.	907.31	141,206 01	—	141,206 01	2 99	1,415 50	—	1,415 50	03
Totals and averages		14,370.74	\$2,320,363 77	—	\$2,320,363 77	\$3 11	\$17,162 68	—	\$17,162 68	\$0 02
Miscellaneous:										
Monson Hospital	.	1,107.00	\$169,912 22	—	\$169,912 22	\$2 95	\$1,525 92	—	\$1,525 92	\$0 03
School for Feeble-minded at Waltham	.	1,546.00	231,982 77	—	231,982 77	2 92	1,990 00	—	1,990 00	02
Wrentham School	.	1,228.60	172,814 25	—	172,814 25	2 71	1,200 00	—	1,200 00	02
Belchertown School	.	328.80	91,582 66	—	91,582 66	5 36	170 00	—	170 00	01
Totals		4,210.40	\$669,321 90	—	\$669,321 90	\$3 06	\$4,885 92	—	\$4,885 92	\$0 02
Totals and averages for hospitals and miscellaneous		18,581.14	\$2,989,685 67	—	\$2,989,685 67	\$3 09	\$22,048 60	—	\$22,048 60	\$0 02
Mental Wards, State Infirmary	.	723.00	\$113,344 79	—	\$113,344 79	\$3 01	\$722 79	—	\$722 79	\$0 02
Bridgewater Hospital	.	863.90	76,554 83	—	76,554 83	1 70	1,079 22	—	1,079 22	02
Totals		1,586.90	\$189,899 62	—	\$189,899 62	\$2 30	\$1,802 01	—	\$1,802 01	\$0 02
Aggregates		20,168.04	\$3,179,585 29	—	\$3,179,585 29	\$3 03	\$23,850 61	—	\$23,850 61	\$0 02



TABLE 5. — *Expenses of Maintenance, 1923* — Continued.

		TRAVEL, TRANSPORTATION AND OFFICE EXPENSES.				FOOD.			
		Gross Expenses.	Receipts.	Net Expenses.	Net Weekly Per Capita Cost, 1923.	Gross Expenses.	Receipts.	Net Expenses.	Net Weekly Per Capita Cost, 1923.
<b>INSTITUTIONS.</b>									
<b>The Insane:</b>									
Worcester Hospital	.	\$8,029 87	\$34 07	\$7,995 80	\$0 07	\$135,145 61	\$206 78	\$134,938 83	\$1 23
Taunton Hospital	.	6,500 15	17 02	6,483 13	09	89,085 82	—	89,085 82	1 23
Northampton Hospital	.	5,702 83	—	5,702 83	10	66,633 16	463 66	66,169 50	1 20
Danvers Hospital	.	6,097 08	4 48	6,092 60	07	109,314 55	469 45	108,845 10	1 26
Westborough Hospital	.	8,437 93	63 29	8,374 64	12	104,576 64	3,013 67	101,562 97	1 47
Boston Hospital	.	8,104 52	94 86	8,009 66	07	185,403 94	703 08	184,700 83	1 68
Psychopathic Hospital	.	6,647 13	—	6,647 13	1 62	31,663 65	123 39	31,540 26	7 69
Grafton Hospital	.	4,330 08	—	4,330 08	06	91,508 07	3,161 39	91,346 68	1 21
Medford Hospital	.	7,215 98	—	7,215 98	08	114,959 06	2,518 88	112,440 18	1 27
Foxborough Hospital	.	4,091 31	—	4,091 31	14	39,918 43	1,227 72	38,690 71	1 32
Gardner Colony	.	4,252 84	—	4,252 84	09	45,683 54	3,427 77	42,255 77	90
Totals and averages	.	\$39,409 42	\$213 72	\$39,195 70	\$0 09	\$1,016,892 47	\$15,318 79	\$1,001,573 68	\$1 34
<b>Miscellaneous:</b>									
Monson Hospital	.	\$4,003 27	—	\$4,008 27	\$0 08	\$65,301 19	\$185 10	\$65,116 09	\$1 13
School for Feeble-minded at Waltham	.	9,431 63	\$97 42	9,334 21	11	103,053 74	1,706 80	101,346 94	1 26
Wrentham School	.	7,410 09	—	7,410 09	12	99,699 50	23 70	99,675 80	1 56
Belchertown School	.	4,151 50	—	4,151 50	24	32,045 50	83 57	31,961 93	1 87
Totals	.	\$25,601 49	\$97 42	\$25,504 07	\$0 11	\$300,099 93	\$1,999 17	\$298,100 76	\$1 36
<b>Totals and Averages for Hospitals and Miscellaneous</b>									
	.	\$35,010 91	\$311 14	\$34,699 77	\$0 10	\$1,316,992 40	\$17,317 96	\$1,299,674 44	\$1 35
<b>Mental Wards, State Infirmary</b>									
Bridgewater Hospital	.	\$1,903 89	\$77 82	\$1,826 07	\$0 05	\$39,183 53	—	\$39,183 53	\$1 84
	.	2,373 49	—	2,373 49	05	39,823 46	—	39,823 46	89
Totals	.	\$4,277 38	\$77 82	\$4,199 56	\$0 05	\$109,006 99	—	\$109,006 99	\$1 32
<b>Aggregates</b>									
	.	\$99,288 29	\$388 96	\$98,899 33	\$0 09	\$1,425,999 39	\$17,317 96	\$1,408,681 43	\$1 35

TABLE 5. — *Expenses of Maintenance, 1923* — Continued.

	CLOTHING AND CLOTHING MATERIAL.				FURNISHINGS AND HOUSEHOLD SUPPLIES.			
	Gross Expenses.	Receipts.	Net Expenses.	Net Weekly Per Capita Cost, 1923.	Gross Expenses.	Receipts.	Net Expenses.	Net Weekly Per Capita Cost, 1923.
<b>INSTITUTIONS.</b>								
<b>The insane:</b>								
Worcester Hospital . . . . .	\$17,674 98	\$146 33	\$17,528 65	\$0 16	\$39,652 25	\$82 51	\$39,569 74	\$0 36
Taunton Hospital . . . . .	18,527 58	216 46	18,311 12	25	31,020 95	2 09	31,618 86	43
Northampton Hospital . . . . .	7,658 76	37 50	7,621 26	14	23,141 58	5 00	23,136 58	42
Danvers Hospital . . . . .	13,889 53	137 45	13,752 08	16	34,768 70	9 77	34,758 93	40
Westborough Hospital . . . . .	15,549 90	25 71	15,524 19	23	29,423 87	51 16	29,372 71	43
Boston Hospital . . . . .	36,219 19	44 90	36,174 29	33	47,586 33	68 19	47,518 14	43
Psychopathic Hospital . . . . .	754 51	—	754 51	18	7,004 71	—	7,004 71	1 71
Grafton Hospital . . . . .	19,653 49	79 64	19,573 85	26	27,536 49	15 00	27,521 49	36
Medford Hospital . . . . .	25,846 46	25 23	25,821 23	29	31,456 08	24 92	31,431 16	36
Foxborough Hospital . . . . .	10,069 39	32 45	10,036 94	34	15,816 00	—	15,816 00	54
Gardner Colony . . . . .	10,970 48	398 17	10,572 31	22	17,530 94	24 23	17,506 71	37
Totals and Averages . . . . .	\$176,814 27	\$1,143 84	\$175,670 43	\$0 24	\$305,537 90	\$282 87	\$305,255 03	\$0 41
<b>Miscellaneous:</b>								
Monson Hospital . . . . .	\$10,441 34	\$58 59	\$10,382 75	\$0 18	\$24,227 67	\$43 50	\$24,184 17	\$0 42
School for Feeble-minded at Waltham . . . . .	27,267 00	105 40	27,161 60	34	33,037 98	190 25	32,847 73	40
Wrentham School . . . . .	23,981 11	245 39	23,735 72	37	25,580 58	31 48	25,549 10	41
Belchertown School . . . . .	12,962 29	—	12,962 29	76	11,608 73	—	11,608 73	68
Totals . . . . .	\$74,651 74	\$409 38	\$74,242 36	\$0 34	\$94,454 96	\$265 23	\$94,189 73	\$0 43
<b>Totals, Hospitals and Miscellaneous . . . . .</b>								
	\$251,466 01	\$1,553 22	\$249,912 79	\$0 26	\$399,992 86	\$548 10	\$399,444 76	\$0 41
<b>Mental Wards, State Infirmary</b>								
Bridgewater Hospital . . . . .	\$17,297 19	\$282 08	\$17,015 11	\$0 45	\$14,316 85	\$14 04	\$14,302 81	\$0 38
	12,111 96	114 58	11,997 38	27	7,225 76	63 76	7,162 00	16
Totals . . . . .	\$29,409 15	\$396 66	\$29,012 49	\$0 35	\$21,512 61	\$77 80	\$21,434 81	\$0 26
<b>Aggregates . . . . .</b>								
	\$380,875 16	\$1,949 88	\$378,925 28	\$0 27	\$421,535 47	\$625 90	\$420,909 57	\$0 40

TABLE 5. — *Expenses of Maintenance, 1923* — Continued.

INSTITUTIONS.	MEDICAL AND GENERAL CARE.				HEAT, LIGHT AND POWER.			
	Gross Expenses.	Receipts.	Net Expenses.	Net Weekly Per Capita Cost, 1923.	Gross Expenses.	Receipts.	Net Expenses.	Net Weekly Per Capita Cost, 1923.
The insane:								
Worcester Hospital	\$31,515 81	\$152 39	\$31,515 81	\$0 28	\$95,485 01	\$123 17	\$95,361 84	\$0 87
Taunton Hospital	18,584 83	5 60	18,579 23	25	47,710 82	—	47,710 82	66
Northampton Hospital	10,685 83	139 52	10,546 31	19	36,433 36	—	36,433 36	66
Danvers Hospital	30,316 40	215 46	30,101 03	35	113,570 40	27 00	113,543 40	1 32
Westborough Hospital	13,593 98	201 56	13,392 42	19	81,992 23	—	81,992 23	1 19
Boston Hospital	25,122 63	40 25	25,122 63	23	79,180 53	44 85	79,135 68	72
Psychopathic Hospital	17,440 84	—	17,440 84	4 25	9,771 98	—	9,771 98	2 38
Grafton Hospital	10,511 96	35 75	10,476 21	14	60,215 46	—	60,215 46	79
Medfield Hospital	10,590 50	—	10,590 50	12	70,240 05	6 90	70,233 15	80
Foxborough Hospital	9,978 61	—	9,978 61	34	47,792 41	23 69	47,768 72	1 63
Gardner Colony	13,290 82	1,052 13	12,238 69	26	31,019 58	—	31,019 58	66
Totals and Averages	\$191,632 30	\$1,812 66	\$189,789 64	\$0 25	\$673,411 23	\$225 61	\$673,185 62	\$0 90
Miscellaneous:								
Monson Hospital	\$7,690 17	\$39 12	\$7,651 05	\$0 13	\$47,348 48	\$1 90	\$47,346 58	\$0 82
School for feeble-minded at Waltham	18,232 70	—	18,232 70	23	36,173 18	21 65	36,151 53	45
Wrentham School	9,432 38	23 82	9,428 56	15	63,257 07	—	63,257 07	1 02
Belchertown School	7,679 13	—	7,679 13	45	28,552 14	—	28,552 14	1 67
Totals	\$43,074 38	\$62 94	\$43,011 44	\$0 20	\$117,330 87	\$23 55	\$117,307 32	\$0 81
Totals, Hospitals and Miscellaneous	\$234,706 68	\$1,905 60	\$232,801 08	\$0 24	\$850,742 10	\$249 16	\$850,492 94	\$0 88
Mental Wards, State Infirmary	\$10,305 19	\$91 42	\$10,303 77	\$0 27	\$26,882 83	\$8 01	\$26,874 82	\$0 71
Bridgewater Hospital	7,464 10	—	7,464 10	17	34,461 67	—	34,461 67	77
Totals	\$17,859 29	\$91 42	\$17,767 87	\$0 22	\$61,344 50	\$8 01	\$61,336 49	\$0 74
Aggregates	\$252,565 97	\$1,997 02	\$250,568 95	\$0 24	\$912,086 60	\$257 17	\$911,829 43	\$0 87

TABLE 5. — *Expenses of Maintenance, 1923 — Continued.*

INSTITUTIONS.	STEAMING COAL.				COAL FOR DOMESTIC PURPOSES.		TOTAL CONSUMPTION.		
	SEMI-BITUMINOUS COAL.		BUCKWHEAT AND SCREENINGS.		ANTHRACITE.		WEEKLY PER CAPITA.	Quantity, Long Tons.	Cost, 1923.
	Quantity, Tons.	Average Price.	Quantity, Tons.	Average Price.	Quantity, Tons.	Average Price.			
The insane:									
Worcester Hospital . . . . .	9,978	\$8 38	1,579	\$2 98	323	\$12 64	11,880	\$0 84	
Taunton Hospital . . . . .	5,208	8 17	—	—	205	13 08	5,413	62	
Northampton Hospital . . . . .	3,923	8 60	—	—	117	11 12	4,023	63	
Danvers Hospital . . . . .	11,231	9 31	—	—	358	13 98	11,589	1 27	
Westborough Hospital . . . . .	8,582	8 91	—	—	226	13 17	8,808	1 15	
Boston Hospital . . . . .	7,785	8 87	720	4 10	349	15 56	8,854	70	
Psychopathic Hospital . . . . .	781	9 57	200	4 12	—	—	981	2 02	
Grafton Hospital . . . . .	7,247	8 12	—	—	41	13 12	7,288	78	
Medford Hospital . . . . .	8,240	8 02	—	—	240	13 28	8,480	78	
Foxborough Hospital . . . . .	5,092	8 57	—	—	218	11 57	5,310	1 57	
Gardner Colony . . . . .	2,662	8 25	—	—	348	13 70	3,010	56	
Totals . . . . .	70,732	\$3 60	2,499	\$3 39	2,425	\$13 45	75,636	\$0 86	
Miscellaneous:									
Monson Hospital . . . . .	4,893	\$8 00	—	—	286	\$13 04	5,179	\$0 74	
School for Feeble-minded at Waltham . . . . .	3,875	7 52	469	\$8 54	155	13 72	4,499	43	
Wrentham School . . . . .	7,221	8 69	—	—	144	13 64	7,365	1 01	
Belchertown School . . . . .	2,566	7 89	—	—	—	—	—	—	
Totals . . . . .	18,555	\$8 15	469	\$8 54	—	—	—	—	
Totals, Hospitals and Miscellaneous . . . . .	89,287	\$3 50	2,968	\$4 21	—	—	—	—	
Mental Wards, State Infirmary . . . . .	—	—	—	—	—	—	—	—	
Bridgewater Hospital . . . . .	—	—	—	—	—	—	—	—	
Totals . . . . .	—	—	—	—	—	—	—	—	
Aggregates . . . . .	89,287	\$3 50	2,963	\$4 21	—	—	—	—	



TABLE 5. — *Expenses of Maintenance, 1923* — Continued.

	FARM.				GARAGE, STABLE AND GROUNDS.			
	Gross Expenses.	Receipts.	Net Expenses.	Net Weekly Per Capita Cost, 1923.	Gross Expenses.	Receipts.	Net Expenses.	Net Weekly Per Capita Cost, 1923.
<b>INSTITUTIONS.</b>								
<i>The insane:</i>								
Worcester Hospital	\$27,329 57	\$30 91	\$27,298 66	\$0 25	\$5,266 34	\$408 12	\$4,858 22	\$0 04
Taunton Hospital	20,971 74	569 52	20,402 22	28	7,778 25	2 10	7,776 15	11
Northampton Hospital	17,944 73	233 90	17,710 83	32	3,643 16	—	3,643 16	07
Danvers Hospital	20,458 29	404 69	20,053 60	23	3,630 70	101 29	3,529 41	04
Westborough Hospital	18,474 31	240 87	18,233 44	26	6,604 66	98	6,506 68	10
Boston Hospital	6,292 86	73 28	6,219 58	05	9,545 77	—	9,545 77	09
Psychopathic Hospital	—	—	—	—	110 67	—	110 67	03
Grafton Hospital	27,798 29	271 65	27,526 64	36	4,493 49	—	4,493 49	06
Medfield Hospital	25,387 11	474 47	24,912 64	28	7,528 60	—	7,528 60	09
Foxborough Hospital	14,138 90	45 18	14,093 81	48	8,581 98	—	8,581 98	29
Gardner Colony	29,896 46	342 93	29,553 53	63	4,841 26	—	4,841 26	10
Totals	\$208,692 35	\$2,087 40	\$206,604 95	\$0 27	\$62,024 88	\$512 49	\$61,512 39	\$0 08
<i>Miscellaneous:</i>								
Momon Hospital	\$17,265 05	\$789 02	\$16,476 03	\$0 29	\$4,195 67	\$3 15	\$4,192 52	\$0 07
School for Feeble-minded at Waltham	39,473 05	375 13	39,097 92	49	8,359 02	—	8,359 02	10
Wrentham School	20,562 88	583 47	19,979 41	31	6,602 73	25	6,602 48	10
Belchertown School	22,659 87	25 00	22,634 87	1 32	4,910 17	—	4,910 17	29
Totals	\$99,960 85	\$1,772 62	\$98,188 23	\$0 45	\$24,067 59	\$3 40	\$24,064 19	\$0 11
<i>Totals, Hospitals and Miscellaneous</i>								
	\$308,653 20	\$4,460 02	\$304,193 18	\$0 31	\$86,092 47	\$515 89	\$85,576 58	\$0 09
<i>Mental Wards, State Infirmary</i>								
Bridgewater Hospital	\$11,806 01	\$86 70	\$11,719 31	\$0 31	\$3,320 97	\$3 98	\$3,316 99	\$0 09
	15,488 20	2,818 06	12,670 14	28	620 49	—	620 49	01
Totals	\$27,294 21	\$2,904 76	\$24,389 45	\$0 29	\$3,941 46	\$3 98	\$3,937 48	\$0 05
Aggregates	\$335,947 41	\$7,364 78	\$328,582 63	\$0 31	\$90,033 93	\$519 87	\$89,514 06	\$0 08

TABLE 5. — *Expenses of Maintenance, 1923* — Continued.

	REPAIRS, ORDINARY.				REPAIRS AND RENEWALS.			
	Gross Expenses.	Receipts.	Net Expenses.	Net Weekly Per Capita Cost, 1923.	Gross Expenses.	Receipts.	Net Expenses.	Net Weekly Per Capita Cost, 1923.
<b>INSTITUTIONS.</b>								
<b>The insane:</b>								
Worcester Hospital . . . . .	\$22,332 91	\$414 92	\$22,332 91	\$0 20	\$17,344 13	—	\$17,344 13	\$0 16
Taunton Hospital . . . . .	13,373 94	246 74	14,369 02	21	17,178 09	\$25 00	17,153 09	24
Northampton Hospital . . . . .	13,470 48	24 55	13,223 74	24	16,701 33	—	16,701 33	30
Danvers Hospital . . . . .	18,462 51	175 94	18,437 96	21	11,478 89	—	11,478 89	13
Westborough Hospital . . . . .	17,273 57	31 00	17,097 63	25	17,263 18	—	17,263 18	25
Boston Hospital . . . . .	18,490 15	77 26	18,459 15	17	22,569 42	—	22,569 42	20
Psychopathic Hospital . . . . .	4,852 23	4,774 97	77 26	1 16	3,382 65	—	3,382 65	82
Grafton Hospital . . . . .	19,186 04	46 16	19,139 88	25	15,113 14	—	15,113 14	20
Medfield Hospital . . . . .	23,639 69	219 39	23,420 30	27	16,156 48	—	16,156 48	18
Foxborough Hospital . . . . .	5,474 12	3 90	5,470 22	19	19,448 43	—	19,448 43	66
Gardner Colony . . . . .	14,364 12	—	14,364 12	30	5,756 05	—	5,756 05	12
<b>Totals . . . . .</b>	<b>\$172,919 76</b>	<b>\$1,239 86</b>	<b>\$171,679 90</b>	<b>\$0 23</b>	<b>\$162,392 69</b>	<b>\$25 00</b>	<b>\$162,367 69</b>	<b>\$0 22</b>
<b>Miscellaneous:</b>								
Monson Hospital . . . . .	\$13,645 24	\$664 65	\$12,980 59	\$0 23	\$9,479 70	—	\$6,479 70	\$0 11
School for Feeble-minded at Waltham . . . . .	18,559 81	308 50	18,251 31	23	11,312 11	—	11,312 11	14
Wrentham School . . . . .	19,983 67	127 70	19,855 97	31	17,471 95	—	17,471 95	27
Belchertown School . . . . .	7,916 81	—	7,916 81	46	2,389 16	—	2,389 16	14
<b>Totals . . . . .</b>	<b>\$60,105 53</b>	<b>\$1,100 85</b>	<b>\$59,004 68</b>	<b>\$0 27</b>	<b>\$37,652 92</b>	<b>—</b>	<b>\$37,652 92</b>	<b>\$0 17</b>
<b>Totals, Hospitals and Miscellaneous . . . . .</b>	<b>\$233,025 29</b>	<b>\$2,340 71</b>	<b>\$230,684 58</b>	<b>\$0 24</b>	<b>\$300,045 61</b>	<b>\$25 00</b>	<b>\$200,020 61</b>	<b>\$0 21</b>
<b>Mental Wards, State Infirmary . . . . .</b>	<b>\$12,304 68</b>	<b>\$35 29</b>	<b>\$12,359 39</b>	<b>\$0 33</b>	<b>\$1,058 06</b>	<b>\$112 54</b>	<b>\$945 52</b>	<b>\$0 03</b>
<b>Bridgewater Hospital . . . . .</b>	<b>6,168 70</b>	<b>89 58</b>	<b>6,079 12</b>	<b>14</b>	<b>3,752 44</b>	<b>—</b>	<b>3,752 44</b>	<b>08</b>
<b>Totals . . . . .</b>	<b>\$18,563 38</b>	<b>\$124 87</b>	<b>\$18,438 51</b>	<b>\$0 22</b>	<b>\$4,810 50</b>	<b>\$112 54</b>	<b>\$4,697 96</b>	<b>\$0 06</b>
<b>Aggregates . . . . .</b>	<b>\$251,588 67</b>	<b>\$2,465 58</b>	<b>\$249,123 09</b>	<b>\$0 24</b>	<b>\$201,856 11</b>	<b>\$137 54</b>	<b>\$204,718 57</b>	<b>\$0 19</b>

TABLE 5. — *Expenses of Maintenance, 1923 — Continued.*

INSTITUTIONS.		TOTAL MAINTENANCE EXPENSES.					
		GROSS WEEKLY PER CAPITA COST.		Receipts from Sales or Refunds.	Net Expenses.	NET WEEKLY PER CAPITA COST.	
		1923.	Three Years' Average.			1923.	Three Years' Average.
<b>The insane:</b>							
Worcester Hospital	.	\$717,484 28	\$6 53	\$1,184 28	\$716,300 00	\$6 51	\$6 34
Taunton Hospital	.	487,017 55	6 70	1,252 71	485,764 84	6 69	6 42
Northampton Hospital	.	343,100 79	6 22	1,126 32	341,974 47	6 19	6 04
Danvers Hospital	.	613,516 96	7 11	1,394 14	612,122 82	7 09	6 64
Westborough Hospital	.	530,604 19	7 71	3,773 18	526,831 01	7 65	7 35
Boston Hospital	.	752,997 47	6 85	1,100 41	751,897 06	6 83	7 13
Psychopathic Hospital	.	209,159 41	50 97	200 65	208,958 76	50 92	45 04
Grafton Hospital	.	513,707 01	6 78	3,612 59	510,094 42	6 74	6 66
Medfield Hospital	.	579,823 95	6 57	3,269 79	576,554 16	6 53	6 33
Foxborough Hospital	.	309,614 51	10 53	1,332 94	308,281 57	10 48	10 02
Gardner Colony	.	320,227 60	6 79	5,245 23	314,982 37	6 67	6 60
<b>Totals</b>	.	\$5,377,253 72	\$7 19	\$23,492 24	\$5,353,761 48	\$7 16	\$6 99
<b>Miscellaneous:</b>							
Monson Hospital	.	\$372,640 92	\$6 47	\$1,785 03	\$370,855 89	\$6 44	\$6 42
School for Feeble-minded at Waltham	.	541,892 99	6 74	2,805 15	539,087 84	6 70	6 76
Wrentham School	.	470,046 21	7 35	1,035 81	469,010 40	7 34	6 85
Belchertown School	.	226,627 96	13 25	108 57	226,519 39	3 25	—
<b>Totals</b>	.	\$1,611,208 08	\$7 35	\$5,734 56	\$1,605,473 52	\$7 33	\$6 86
<b>Totals, Hospitals and Miscellaneous</b>		\$6,988,461 80	\$7 23	\$28,226 80	\$6,959,235 00	\$7 20	\$6 84
<b>Mental Wards, State Infirmary</b>		\$282,626 78	\$7 51	\$711 88	\$281,914 90	\$7 49	\$7 27
Bridgewater Hospital	.	207,124 32	4 61	3,085 98	204,038 34	4 54	4 76
<b>Totals</b>	.	\$489,751 10	\$5 93	\$3,797 86	\$485,953 24	\$5 88	\$5 91
<b>Aggregates</b>		\$7,478,212 90	\$7 13	\$33,024 66	\$7,445,188 24	\$7 09	\$6 88

TABLE 5. — *Expenses of Maintenance, 1923 — Concluded.*

		MAINTENANCE APPROPRIATION.			
		Amount appropriated by Legislature.	Balance from Previous Year.	Total Appropriation.	Balance reverting to State Treasury.
INSTITUTIONS.					
The insane:					
Worcester Hospital	.	\$731,489 39	\$80 13	\$731,569 52	\$14,085 24
Taunton Hospital	.	502,344 03	204 04	502,548 07	15,530 52
Northampton Hospital	.	372,575 51	6,885 10	379,460 61	26,359 82
Danvers Hospital	.	620,081 00	83 14	620,163 14	6,646 18
Westborough Hospital	.	532,728 88	608 98	533,337 86	2,733 67
Boston Hospital	.	753,784 53	16 87	753,801 40	803 93
Psychopathic Hospital	.	211,070 65	87 54	211,158 19	1,998 78
Grafton Hospital	.	533,321 03	992 07	534,313 10	20,606 09
Medford Hospital	.	586,366 88	205 60	586,572 48	6,748 23
Foxborough Hospital	.	313,124 20	499 20	313,623 40	4,098 89
Gardner Colony	.	350,486 12	377 41	350,863 53	30,635 93
Totals	.	\$5,507,371 92	\$10,039 08	\$5,517,411 00	\$140,157 28
Miscellaneous:					
Monson Hospital	.	\$401,494 62	\$671 18	\$402,165 80	\$29,524 88
School for Feeble-minded at Waltham	.	546,835 85	603 17	547,549 02	5,656 03
Wrentham School	.	474,670 28	1,103 98	475,774 26	5,728 05
Belchertown School	.	253,076 45	—	253,076 45	26,448 49
Totals	.	\$1,676,127 20	\$2,438 33	\$1,678,565 53	\$67,357 45
Totals, Hospitals and Miscellaneous					
	.	\$7,183,499 12	\$12,477 41	\$7,195,976 53	\$207,514 73
Mental Wards, State Infirmary					
Bridgewater Hospital	.	—	—	—	—
Totals	.	—	—	—	—
Aggregates					
	.	\$7,183,499 12	\$12,477 41	\$7,195,976 53	\$207,514 73



TABLE 6. — *Whole Weekly Per Capita Cost of Support of a Patient in the Institutions for the Insane, Feeble-minded and Epileptic for the Fiscal Year ending Nov. 30, 1923.*

INSTITUTIONS.	Average Number of Patients, 1923.	Total of Real and Personal Property.	Per Capita Valuation.	WEEKLY PER CAPITA COST.						
				Interest Per Cent.	Depreciation.	Maintenance, exclusive of Repairs and Improvements.	Gross Cost.	Receipts.	Net Cost.	
The insane:										
Worcester Hospital . . . . .	2,113.09	\$3,047,346.59	\$1,442.12	\$0.98	\$0.64	\$5.99	\$7.61	\$0.75	\$6.86	
Taunton Hospital . . . . .	1,396.31	983,008.40	704.00	.47	.67	6.03	7.17	.86	6.31	
Northampton Hospital . . . . .	1,061.21	1,251,618.14	1,179.42	.80	.69	5.51	7.00	1.47	5.53	
Danvers Hospital . . . . .	1,658.82	2,882,657.04	1,737.77	1.18	.56	6.54	8.28	1.46	6.82	
Westborough Hospital . . . . .	1,323.79	1,408,799.70	1,064.21	.72	.69	7.01	8.42	1.78	6.64	
Roston Hospital . . . . .	2,114.05	3,593,149.06	1,699.65	1.15	.52	6.32	7.99	.95	7.04	
Psychopathic Hospital . . . . .	78.91	719,425.31	9,117.03	6.20	2.34	48.63	57.17	3.37	53.80	
Grafton Hospital . . . . .	1,454.99	1,672,160.57	1,149.25	.78	.68	6.10	7.56	.23	7.33	
Medfield Hospital . . . . .	1,606.81	1,959,375.77	1,154.70	.78	.68	5.91	7.37	.36	7.01	
Foxborough Hospital . . . . .	565.42	1,414,409.45	2,501.52	1.70	1.29	9.32	12.31	.64	11.67	
Gardner Colony . . . . .	907.31	1,044,200.57	1,150.97	.78	1.33	6.15	8.26	.30	7.96	
Totals and Averages . . . . .	14,370.74	\$19,976,240.60	\$1,390.06	\$0.94	\$0.71	\$6.54	\$8.19	\$0.90	\$7.29	
Miscellaneous:										
Monson Hospital . . . . .	1,107.00	\$1,029,276.21	\$929.78	\$0.63	\$0.54	\$5.92	\$7.09	\$0.33	\$6.76	
School for Feeble-minded at Waltham . . . . .	1,546.00	1,450,160.29	938.00	.63	.50	6.23	7.36	.23	7.13	
Wrentham School . . . . .	1,228.60	1,485,641.65	1,209.21	.82	.74	6.61	8.17	.09	8.08	
Belchertown School . . . . .	328.80	1,441,755.95	4,384.99	2.98	1.50	11.91	16.39	.06	16.33	
Totals and Averages . . . . .	4,210.40	\$5,406,864.10	\$1,284.16	\$0.87	\$0.66	\$6.70	\$8.23	\$0.20	\$8.03	
Totals and averages, hospitals and miscellaneous . . . . .	18,581.14	\$25,383,104.70	\$1,366.06	\$0.92	\$0.70	\$6.58	\$8.20	\$0.74	\$7.46	

TABLE 7. — *Receipts and Expenses on Account of Institutions for the Insane, Feeble-minded and Epileptic for the Fiscal Year ending Nov. 30, 1923.*

INSTITUTIONS.						Increas- ing Value of Plant.	Which counterbalances Depreciation.	Maintenance, exclusive of Repairs and Im- provements.	Total Expenses.	Total Receipts.	Net Expenses.
Department of Mental Diseases:											
Office, traveling and contingent expenses, salaries, and printing annual report . . . . .						-	-	\$101,509 10	\$101,509 10	\$1,265 41	\$100,243 69
Transportation and deportation of patients . . . . .						-	-	7,821 13	7,821 13	2,351 69	5,469 44
Investigation of mental diseases and defects . . . . .						-	-	6,896 92	6,896 92	-	6,896 92
Totals . . . . .						-	-	\$116,227 15	\$116,227 15	\$3,617 10	\$112,610 05
The insane:											
Worcester Hospital . . . . .						-	\$70,781 34	\$659,237 91	\$730,019 25	\$83,716 23	\$646,303 02
Taunton Hospital . . . . .							48,902 18	438,115 37	500,551 31	62,703 02	437,848 29
Northampton Hospital . . . . .							38,540 56	304,500 23	343,196 29	81,356 53	261,839 76
Danvers Hospital . . . . .							48,825 40	564,691 56	671,007 00	125,971 83	545,035 17
Westborough Hospital . . . . .							47,649 09	482,955 10	555,426 76	123,000 09	432,426 67
Boston Hospital . . . . .							57,503 41	686,494 06	798,133 90	105,160 73	689,973 17
Psychopathic Hospital . . . . .						-	9,024 08	199,535 33	209,139 41	13,849 76	195,289 65
Grafton Hospital . . . . .							52,074 84	461,032 17	563,408 82	17,875 63	545,533 19
Medfield Hospital . . . . .							60,129 14	522,241 95	628,554 72	31,732 12	596,762 60
Foxborough Hospital . . . . .							38,188 82	274,106 72	542,623 64	19,099 05	523,524 59
Gardner Colony . . . . .							62,828 77	290,428 65	438,849 26	14,485 28	424,363 98
Totals . . . . .							\$535,047 63	\$4,892,999 05	\$5,978,990 36	\$679,010 27	\$5,299,980 09
Miscellaneous:											
Mental Wards, State Infirmary . . . . .						-	\$13,452 74	\$269,174 04	\$282,626 78	\$3,661 86	\$278,964 92
Bridgewater Hospital (insane) . . . . .						-	9,021 14	197,293 18	207,124 32	8,978 12	198,146 20
Monson Hospital (insane) . . . . .							13,600 55	148,227 59	165,906 33	8,342 39	157,563 94
Totals . . . . .							\$36,974 43	\$614,604 81	\$655,657 43	\$20,982 37	\$634,675 06
Family Care . . . . .						-	-	\$5,313 08	\$5,313 08	-	\$5,313 08
Totals for the Insane . . . . .							\$572,022 06	\$5,029,144 09	\$6,750,188 02	\$703,609 74	\$6,052,578 28

Feeble-minded:									
School for Feeble-minded at Waltham									
Wrentham School	.	.	.	.	.	\$500,909 77	\$622,786 01	\$18,905 28	\$603,880 73
Belchertown School	.	.	.	.	.	422,613 34	521,545 05	6,104 96	515,440 09
	.	.	.	.	.	203,760 56	684,885 76	1,140 89	683,744 87
Totals for the Feeble-minded	.	.	.	.	.	\$1,127,283 67	\$1,829,216 82	\$26,151 13	\$1,803,065 69
Epileptic:									
Monson Hospital (same)									
Hospital Cottages for Children	.	.	.	.	.	\$192,772 88	\$216,222 15	\$11,065 44	\$205,156 71
	.	.	.	.	.	12,080 51	12,080 51	91 15	11,989 36
Totals for Epileptics	.	.	.	.	.	\$204,853 39	\$228,302 66	\$11,156 59	\$217,146 07
Aggregates	.	.	.	.	.	\$6,961,281 15	\$8,813,707 50	\$740,917 46	\$8,072,790 04

TABLE 8. — General Statement as to Special Appropriations, 1923.

INSTITUTIONS.	Balances brought forward from Previous Years.	New Appropriations for 1923.	Total of Live Appropriations.	EXPENDED DURING FISCAL YEAR ENDING Nov. 30, 1923.		
				Land.	MISCELLANEOUS.	
					Adding to Original Value.	Repairs and Renewals.
The insane:						
Worcester Hospital . . . . .	\$13,131 30	—	\$13,131 30	—	—	\$12,534 97
Taunton Hospital . . . . .	13,674 60	—	13,674 60	—	\$13,533 76	—
Northampton Hospital . . . . .	—	—	104,000 00	—	95 30	—
Danvers Hospital . . . . .	89,142 19	\$104,000 00	193,142 19	—	57,490 04	—
Westborough Hospital . . . . .	24,828 55	6,000 00	30,828 55	—	24,822 57	—
Boston Hospital . . . . .	42,110 39	15,000 00	57,110 39	—	42,136 43	—
Boston Psychopathic Hospital . . . . .	—	—	—	—	—	—
Grafton Hospital . . . . .	74,150 41	—	74,150 41	—	50,761 81	—
Medfield Hospital . . . . .	75,550 74	49,700 00	125,250 74	\$2,800 00	43,383 63	2,517 14
Foxborough Hospital . . . . .	331,918 89	155,000 00	486,918 89	—	230,328 10	2,681 03
Gardner Colony . . . . .	\$3,432 67	53,000 00	146,432 67	—	85,591 84	33,029 82
Totals . . . . .	\$757,969 74	\$382,700 00	\$1,140,669 74	\$2,800 00	\$548,143 68	\$50,792 96
Miscellaneous:						
Monson Hospital . . . . .	\$4,221 68	\$17,000 00	\$21,221 68	—	\$9,487 56	—
Belchertown State School . . . . .	460,079 05	198,681 20	658,760 25	\$3,639 13	443,722 36	\$2,896 31
School for Feeble-minded at Waltham . . . . .	125,122 59	108,500 00	233,622 59	—	80,893 02	—
Wrentham State School . . . . .	59,110 21	45,000 00	104,110 21	—	51,498 84	—
Totals . . . . .	\$648,533 53	\$369,181 20	\$1,017,714 73	\$3,639 13	\$587,601 78	\$2,896 31
Totals, hospitals and miscellaneous . . . . .	\$1,406,503 27	\$751,881 20	\$2,158,384 47	\$12,439 13	\$1,135,745 46	\$53,689 27
Norfolk Hospital . . . . .	\$600 00	—	\$600 00	\$600 00	—	—



TABLE 8. — *General Statement as to Special Appropriations, 1923 — Concluded.*

EXPENDED DURING FISCAL YEAR ENDING Nov. 30, 1923 — Con.					Total Expenditures to Date.	Balance at End of Current Fiscal Year.	Reverted Balances.
TOTAL EXPENDITURES.							
Adding to Original Value.	Repairs and Renewals.	Total Expenditures during Fiscal Year.					
INSTITUTIONS.							
The insane:							
Worcester Hospital . . . . .		\$12,534 97	\$12,534 97	\$104,706 67	\$170 35	\$125 98	
Taunton Hospital . . . . .	—	13,533 76	13,533 76	20,859 16	140 37	— 47	
Northampton Hospital . . . . .	95 50	—	95 50	95 50	103,904 50	—	
Danvers Hospital . . . . .	57,490 04	—	57,490 04	271,097 85	37,646 27	5 88	
Westborough Hospital . . . . .	24,822 57	—	24,822 57	52,994 02	—	5 98	
Boston Hospital . . . . .	42,136 43	—	42,136 43	1,025,421 84	12,384 19	2,589 77	
Boston Psychopathic Hospital . . . . .	—	—	—	—	—	—	
Grafton Hospital . . . . .	50,761 81	—	50,761 81	173,081 00	22,835 63	552 97	
Medfield Hospital . . . . .	46,183 63	2,547 14	48,730 77	117,430 03	76,519 97	—	
Foxborough Hospital . . . . .	230,328 10	2,681 03	233,009 13	435,310 21	253,938 53	1 23	
Gardner Colony . . . . .	85,591 84	33,029 82	118,621 66	202,188 99	27,811 01	—	
Totals . . . . .	\$550,943 68	\$50,792 96	\$601,736 64	\$2,403,185 30	\$334,650 82	\$3,282 28	
Miscellaneous:							
Monson Hospital . . . . .	\$9,487 56	—	\$9,487 56	\$17,265 88	\$11,733 56	\$0 56	
Belchertown State School . . . . .	455,361 49	\$2,896 31	458,257 80	1,553,770 75	200,490 70	11 75	
School for Feeble-minded at Waltham . . . . .	80,893 02	—	80,893 02	123,770 43	152,729 57	—	
Wrentham State School . . . . .	51,498 84	—	51,498 84	279,388 63	52,472 45	138 92	
Totals . . . . .	\$597,240 91	\$2,896 31	\$600,137 22	\$1,974,195 69	\$417,426 28	\$151 23	
Totals, hospitals and miscellaneous . . . . .	\$1,148,184 59	\$53,689 27	\$1,201,873 86	\$4,377,380 99	\$953,077 10	\$3,433 51	
Norfolk Hospital . . . . .	\$600 00	—	\$600 00	\$600 00	—	—	

TABLE 9. — Comparative Analysis of Pay Roll, by Departments, 1923.

INSTITUTIONS.	MEDICAL SERVICE.				ADMINISTRATION.			
	Full Roster.	Average Number of Persons.	Average Monthly Compensation.	Average Weekly Per Capita Cost.	Full Roster.	Average Number of Persons.	Average Monthly Compensation.	Average Weekly Per Capita Cost.
The insane:								
Worcester Hospital . . . . .	17	13.18	\$149.99	\$0.22	30	22.29	\$84.61	\$0.21
Taunton Hospital . . . . .	13	9.92	164.27	27	24	18.48	77.89	24
Northampton Hospital . . . . .	9	6.06	205.23	27	16	11.80	78.21	20
Danvers Hospital . . . . .	15	12.11	159.00	27	23	18.58	81.38	21
Westborough Hospital . . . . .	10	8.82	173.96	27	22	17.51	81.18	25
Reston Hospital . . . . .	16	13.18	174.87	25	28	22.89	98.13	25
Psychopathic Hospital . . . . .	21	18.81	140.94	7.75	36	28.64	93.53	7.83
Grafton Hospital . . . . .	11	8.01	179.14	23	17	13.75	86.13	19
Middlefield Hospital . . . . .	11	8.50	185.75	22	17	12.63	84.58	14
Foxborough Hospital . . . . .	7	5.23	187.33	42	17	12.70	84.51	44
Gardner Colony . . . . .	6	5.17	191.81	25	15	11.39	78.26	23
Totals and Averages . . . . .	136	109.08	\$167.96	\$0.30	245	190.66	\$85.62	\$0.26
Miscellaneous:								
Monson Hospital . . . . .	9	5.48	\$190.10	\$0.22	17	13.49	\$81.01	\$0.23
School for Feeble-minded at Waltham . . . . .	10	7.54	225.41	25	26	18.96	88.52	25
Wrentham School . . . . .	8	6.98	202.82	27	22	16.25	77.23	23
Belchertown School . . . . .	5	2.80	210.40	41	11	7.62	80.60	43
Totals and Averages . . . . .	32	22.80	\$208.17	\$0.26	76	56.32	\$82.41	\$0.25
Totals and averages, hospitals and miscellaneous . . . . .	168	131.88	\$175.02	\$0.29	321	246.98	\$84.88	\$0.26

TABLE 9. — *Comparative Analysis of Pay Roll, by Departments, 1923* — Continued.

INSTITUTIONS.	KITCHEN AND DINING ROOM.				DOMESTIC SERVICE.			
	Full Roster.	Average Number of Persons.	Average Monthly Compensation.	Average Weekly Per Capita Cost.	Full Roster.	Average Number of Persons.	Average Monthly Compensation.	Average Weekly Per Capita Cost.
The insane:								
Worcester Hospital	28	22.05	\$71 23	\$0 17	53	41.15	\$60 95	\$0 27
Taunton Hospital	23	15.91	71 61	19	36	22.47	57 76	21
Northampton Hospital	16	10.49	71 70	16	24	16.90	61 32	23
Danvers Hospital	24	19.23	70 35	19	29	23.54	61 17	20
Westborough Hospital	25	20.24	71 71	25	31	24.94	61 45	27
Boston Hospital	28	22.54	74 48	18	50	40.66	59 87	26
Psychopathic Hospital	7	5.92	73 49	1	18	15.50	57 50	2
Grafton Hospital	33	23.89	72 11	27	40	30.17	58 06	28
Medfield Hospital	25	20.88	66 93	19	41	30.87	60 06	25
Foxborough Hospital	9	7.61	82 36	25	21	16.49	62 62	42
Gardner Colony	20	16.07	75 73	31	19	14.71	66 80	25
Totals and Averages	238	184.63	\$72 18	\$0 22	362	277.40	\$60 49	\$0 27
Miscellaneous:								
Monson Hospital	23	17.79	\$69 32	\$0 26	25	18.27	\$60 30	\$0 23
School for Feeble-minded at Waltham	17	10.99	82 50	14	11	6.89	74 76	08
Wrentham School	7	5.09	89 76	08	4	2.42	91 73	04
Belchertown School	10	7.62	79 99	43	7	4.64	68 81	23
Totals and Averages	57	41.49	\$77 28	\$0 17	47	32.22	\$66 98	\$0 12
Totals and averages, hospitals and miscellaneous.	295	226.12	\$73 12	\$0 21	409	309.62	\$61 16	\$0 24

TABLE 9. — *Comparative Analysis of Pay Roll, by Departments, 1923 — Continued.*

INSTITUTIONS.	MALE WARD SERVICE.										Average Weekly Per Capita Cost.
	Full Roster.	Average Number of Males in Service.	Full Roster.	Average Number of Females in Service.	Full Roster.	Average Number of Total Persons.	Average Number of Patients to One Nurse.	AVERAGE MONTHLY COMPENSA-TION.			
								Males.	Females.	Totals.	
The insane:											
Worcester Hospital . . . . .	127	90.50	—	2.20	127	92.70	11.47	\$64.20	\$76.04	\$64.48	\$0.65
Taunton Hospital . . . . .	78	47.36	—	6.41	78	53.77	12.40	61.06	79.61	63.27	56
Northampton Hospital . . . . .	58	30.97	—	—	58	30.97	16.35	68.11	—	68.11	46
Danvers Hospital . . . . .	87	54.09	8	9.70	95	63.79	10.92	63.47	86.89	67.03	60
Westborough Hospital . . . . .	66	47.81	5	4.13	71	51.94	10.30	62.41	82.03	63.97	58
Boston Hospital . . . . .	114	83.83	—	—	114	83.83	10.90	64.01	—	64.01	59
Psychopathic Hospital . . . . .	19	13.34	5	6.03	24	20.37	2.09	61.17	57.32	62.19	37
Grafton Hospital . . . . .	68	49.85	3	.82	71	50.67	14.25	65.55	88.13	65.92	53
Medfield Hospital . . . . .	74	58.58	1	.73	75	59.31	12.10	63.63	83.16	63.87	51
Foxborough Hospital . . . . .	39	25.44	2	.78	41	26.22	10.25	70.42	80.53	70.72	76
Gardner Colony . . . . .	55	39.27	2	1.52	57	40.79	13.04	63.51	61.16	63.42	66
Totals and Averages . . . . .	785	542.04	26	32.32	811	574.36	11.60	\$64.19	\$77.18	\$64.92	\$0.60
Miscellaneous:											
Monson Hospital . . . . .	60	44.07	8	5.38	68	49.45	10.91	\$64.77	\$70.50	\$65.39	\$0.67
School for Feeble-minded at Waltham . . . . .	39	28.43	73	52.46	112	80.89	11.20	64.72	61.86	62.87	76
Wrentham School . . . . .	27	13.65	44	32.42	71	46.07	9.42	60.86	61.57	61.36	53
Belchertown School . . . . .	17	12.72	12	10.91	29	23.63	5.05	55.74	60.67	58.01	96
Totals and Averages . . . . .	143	98.87	137	101.17	280	200.04	9.99	\$63.05	\$62.10	\$62.57	\$0.69
Totals and averages, hospitals and miscellaneous . . . . .	928	640.91	163	133.49	1,091	774.40	11.19	\$64.02	\$65.75	\$64.32	\$0.62



TABLE 9. — *Comparative Analysis of Pay Roll, by Departments, 1923 — Continued.*

INSTITUTIONS.	FEMALE WARD SERVICE.					TOTAL WARD SERVICE.				
	Full Roster.	Average Number of Females in Service.	Average Number of Patients to One Nurse.	Average Monthly Compensation.	Average Weekly Per Capita Cost.	Full Roster.	Average Number of Persons.	Average Number of Persons to One Employee.	Average Monthly Compensation.	Average Weekly Per Capita Cost.
The insane:										
Worcester Hospital . . . . .	137	93.59	11.21	\$64.91	\$0.66	264	186.29	11.34	\$64.70	\$1.32
Taunton Hospital . . . . .	83	55.89	13.06	66.55	61	161	109.56	12.74	64.96	1.18
Northampton Hospital . . . . .	59	23.78	23.32	71.73	37	117	54.75	19.38	69.69	.83
Danvers Hospital . . . . .	114	63.22	15.21	67.86	60	209	127.01	13.06	67.45	1.20
Westborough Hospital . . . . .	79	47.70	16.52	67.12	56	150	99.64	13.28	65.48	1.14
Boston Hospital . . . . .	146	96.82	12.39	68.07	72	260	180.65	11.70	66.19	1.31
Psychopathic Hospital . . . . .	24	17.96	2.01	76.62	4	48	38.33	2.05	68.95	7.72
Grafton Hospital . . . . .	71	47.54	15.41	67.13	51	142	98.21	14.81	66.51	1.04
Medfield Hospital . . . . .	109	75.71	12.92	63.98	66	184	135.02	12.56	63.93	1.17
Foxborough Hospital . . . . .	34	24.30	12.20	70.56	70	75	50.52	11.19	70.64	1.45
Gardner Colony . . . . .	34	23.61	15.43	62.06	37	91	64.40	13.91	62.92	1.08
Totals and Averages . . . . .	890	570.12	14.19	\$66.96	\$0.62	1,701	1,144.38	12.89	\$65.94	\$1.22
Miscellaneous:										
Monson Hospital . . . . .	65	39.24	14.45	\$70.17	\$0.57	133	88.09	12.48	\$67.51	\$1.24
School for Feeble-minded at Waltham . . . . .	88	68.53	9.33	61.31	63	200	149.42	10.34	62.16	1.38
Wrentham School . . . . .	90	69.14	12.38	57.89	75	161	115.21	11.14	59.28	1.28
Belchertown School . . . . .	22	9.96	21.01	64.86	45	51	33.59	9.78	60.05	1.41
Totals and Averages . . . . .	265	186.87	12.15	\$62.09	\$0.64	545	386.91	11.02	\$62.34	\$1.32
Totals and averages, hospitals and miscellaneous . . . . .	1,115	756.99	13.70	\$65.75	\$0.62	2,246	1,531.29	12.42	\$65.03	\$1.25

TABLE 9. — *Comparative Analysis of Pay Roll, by Departments, 1923 — Continued.*

INSTITUTIONS.	INDUSTRIAL AND EDUCATIONAL DEPARTMENT.				ENGINEERING DEPARTMENT.			
	Full Roster.	Average Number of Persons.	Average Monthly Compensation.	Average Weekly Per Capita Cost.	Full Roster.	Average Number of Persons.	Average Monthly Compensation.	Average Weekly Per Capita Cost.
The insane:								
Worcester Hospital . . . . .	8	4.99	\$88.15	\$0.05	22	18.79	\$148.21	\$0.30
Taunton Hospital . . . . .	6	4.40	93.59	07	18	14.76	145.23	35
Northampton Hospital . . . . .	4	2.51	81.80	04	14	11.51	155.28	39
Danvers Hospital . . . . .	6	3.85	93.91	05	21	18.69	141.06	37
Westborough Hospital . . . . .	5	3.22	87.98	05	23	20.07	137.46	48
Boston Hospital . . . . .	10	7.92	83.04	07	16	13.80	147.77	22
Psychopathic Hospital . . . . .	2	1.62	92.24	44	7	6.32	145.31	2.68
Grafton Hospital . . . . .	5	3.42	89.14	05	25	20.92	134.64	45
Medford Hospital . . . . .	8	5.82	85.79	07	18	15.25	141.12	29
Foxborough Hospital . . . . .	6	4.72	86.50	17	12	10.42	141.38	60
Gardner Colony . . . . .	10	7.34	85.14	16	9	7.62	135.77	26
Totals and Averages . . . . .	70	49.84	\$87.25	\$0.07	185	158.15	\$142.56	\$0.36
Miscellaneous:								
Monson Hospital . . . . .	4	2.33	\$96.97	\$0.05	11	9.35	\$138.42	\$0.27
School for Feeble-minded at Waltham . . . . .	27	19.41	86.95	25	18	14.20	148.02	31
Wrentham School . . . . .	22	14.99	81.49	23	12	10.56	147.40	29
Belchertown School . . . . .	9	3.61	81.70	21	14	10.69	141.55	1.06
Totals and Averages . . . . .	62	40.34	\$85.03	\$0.19	55	44.80	\$144.33	\$0.35
Totals and averages, hospitals and miscellaneous . . . . .	132	90.18	\$86.26	\$0.10	240	202.95	\$142.95	\$0.36

TABLE 9. — *Comparative Analysis of Pay Roll, by Departments, 1923 — Continued.*

INSTITUTIONS.	REPAIRS.				FARM.			
	Full Roster.	Average Number of Persons.	Average Monthly Compensation.	Average Weekly Per Capita Cost.	Full Roster.	Average Number of Persons.	Average Monthly Compensation.	Average Weekly Per Capita Cost.
The insane:								
Worcester Hospital . . . . .	15	11.23	\$137.79	\$0.17	21	16.33	\$71.96	\$0.13
Taunton Hospital . . . . .	12	9.87	138.03	23	20	11.33	73.35	14
Northampton Hospital . . . . .	8	5.02	138.92	15	19	14.48	71.52	23
Danvers Hospital . . . . .	14	11.38	138.28	22	19	15.27	74.61	16
Westborough Hospital . . . . .	10	7.76	140.81	19	18	14.79	71.69	18
Boston Hospital . . . . .	14	9.81	139.68	15	12	10.15	71.98	08
Psychopathic Hospital . . . . .	1	.83	139.47	34	-	-	-	-
Grafton Hospital . . . . .	14	10.64	139.22	23	27	22.17	70.25	25
Medford Hospital . . . . .	14	10.59	139.95	20	25	17.45	71.64	17
Poxborough Hospital . . . . .	8	6.26	140.91	36	11	8.75	84.51	30
Gardner Colony . . . . .	8	5.29	149.31	20	17	13.18	71.99	24
Totals and Averages . . . . .	118	88.68	\$139.79	\$0.20	189	143.90	\$72.74	\$0.17
Miscellaneous:								
Monson Hospital . . . . .	9	6.99	\$137.28	\$0.20	16	12.46	\$75.49	\$0.19
School for Feeble-minded at Waltham . . . . .	9	6.19	149.88	14	9	5.10	93.76	07
Wrentham School . . . . .	7	5.68	146.37	16	8	4.65	89.88	08
Belchertown School . . . . .	9	7.68	136.30	73	8	6.83	72.75	35
Totals and Averages . . . . .	34	26.54	\$141.81	\$0.21	41	29.04	\$80.36	\$0.13
Totals and averages, hospitals and miscellaneous . . . . .	152	115.22	\$140.25	\$0.20	230	172.94	\$74.02	\$0.16

TABLE 9. — *Comparative Analysis of Pay Roll, by Departments, 1923 — Concluded.*

INSTITUTIONS.	GARAGE, STABLE AND GROUNDS.				ALL PERSONS EMPLOYED.				
	Full Roster.	Average Number of Persons.	Average Monthly Compensation.	Average Weekly Per Capita Cost.	Full Roster.	Average Number of Persons.	Number of Persons to One Employee.	Average Monthly Compensation.	Average Weekly Per Capita Cost.
The insane:									
Worcester Hospital	6	4.23	\$89 78	\$0 04	464	340.53	6.20	\$77 29	\$2 87
Taunton Hospital	4	3.33	89 75	05	317	220.06	6.34	78 05	2 92
Northampton Hospital	3	1.76	88 39	03	230	135.31	7.84	86 13	2 53
Danvers Hospital	6	3.96	77 68	05	366	253.62	6.54	82 08	2 92
Westborough Hospital	6	4.70	73 27	06	300	221.69	5.97	81 21	3 14
Boston Hospital	10	8.52	72 29	07	444	330.12	6.40	78 86	2 84
Psychopathic Hospital	1	0.87	77 19	20	141	116.84	67	90 29	30 85
Grafton Hospital	5	3.69	75 00	04	319	234.87	6.19	81 24	3 03
Medfield Hospital	7	6.00	80 11	07	350	262.90	6.45	77 59	2 77
Foxborough Hospital	4	3.10	72 46	09	170	125.80	4.49	87 90	4 51
Gardner Colony	4	3.12	79 24	06	199	148.29	6.11	79 45	2 99
Totals and Averages	56	43.28	\$78 52	\$0 05	3,300	2,300.03	6.01	\$80 91	\$3 13
Miscellaneous:									
Monson Hospital	5	4.21	\$68 87	\$0 06	252	179.06	6.18	\$79 07	\$2 95
School for Feeble-minded at Waltham	6	4.45	67 41	04	233	243.15	6.35	80 53	2 92
Wrentham School	3	2.54	77 09	04	254	184.37	6.66	78 12	2 70
Belchertown School	2	1.66	78 97	09	126	86.74	3.79	87 98	5 35
Totals and Averages	16	12.86	\$70 64	\$0 04	865	693.32	6.07	\$80 44	\$3 06
Totals and averages, hospitals and miscellaneous	72	56.14	\$76 70	\$0 05	4,165	3,083.35	6.02	\$80 80	\$3 11



## GENERAL STATISTICS.

TABLE 10. — *Statistical Form for State Institutions. — Prepared in Accordance with a Resolution of the National Conference of Charities and Correction, adopted May 15, 1906.*

INSTITUTIONS.	SUPERINTENDENTS.	POPULATION.					
		NUMBER OF INMATES PRESENT AT BEGINNING OF FISCAL YEAR.		NUMBER RECEIVED DURING YEAR.		NUMBER DISCHARGED OR DIED DURING YEAR.	
		Males.	Females.	Totals.	Males.	Females.	Totals.
Worcester State Hospital . . . . .	William A. Bryan, M.D.	1,270	1,177	2,447	413	322	735
Taunton State Hospital . . . . .	Ransom A. Greene, M.D.	788	844	1,632	197	194	391
Northampton State Hospital . . . . .	John A. Houston, M.D.	619	670	1,289	232	224	456
Danvers State Hospital . . . . .	John B. Macdonald, M.D.	885	1,106	1,991	316	287	603
Westborough State Hospital . . . . .	Walter E. Lang, M.D.	651	934	1,585	198	246	444
Boston State Hospital . . . . .	James V. May, M.D.	1,022	1,329	2,351	285	371	656
Boston Psychopathic Hospital . . . . .	W. Franklin Wood, M.D.	116	76	192	961	901	1,862
Grafton State Hospital . . . . .	Harlan L. Paine, M.D.	779	746	1,525	17	41	58
Medfield State Hospital . . . . .	Elisha H. Cohoon, M.D.	777	1,017	1,794	58	72	130
Gardner State Colony . . . . .	Charles E. Thompson, M.D.	543	379	922	63	60	123
Monson State Hospital . . . . .	Morgan B. Hodskins, M.D.	617	692	1,309	110	71	181
Foxborough State Hospital . . . . .	Albert C. Thomas, M.D.	312	326	638	91	67	158
Massachusetts School for Feeble-minded at Waltham . . . . .	Walter E. Fernald, M.D.	947	658	1,605	384	164	548
Wrentham State School . . . . .	George L. Wallace, M.D.	442	802	1,244	171	158	329
Belchertown State School . . . . .	George E. McPherson, M.D.	—	—	—	266	219	485
Totals . . . . .	. . . . .	9,768	10,686	20,454	3,762	3,397	7,159
					3,430	3,009	6,439

TABLE 10. — *Statistical Form for State Institutions, etc.* — Continued.

INSTITUTIONS.	POPULATION — Con.						AVERAGE NUMBER OF OFFICERS AND EMPLOYEES DURING THE YEAR.
	NUMBER AT END OF FISCAL YEAR.			DAILY AVERAGE NUMBER OF PATIENTS ON BOOKS DURING THE YEAR.			
	Males.	Females.	Totals.	Males.	Females.	Totals.	
Worcester State Hospital . . . . .	1,372	1,207	2,579	1,313.91	1,183.00	2,496.91	340.53
Taunton State Hospital . . . . .	781	824	1,605	768.02	826.05	1,594.07	220.06
Northampton State Hospital . . . . .	630	706	1,336	595.56	685.22	1,280.78	135.31
Danvers State Hospital . . . . .	915	1,122	2,037	899.03	1,103.82	2,007.90	253.62
Westborough State Hospital . . . . .	644	936	1,580	642.59	924.85	1,567.44	221.69
Boston State Hospital . . . . .	1,046	1,416	2,462	1,036.36	1,374.88	2,411.24	330.12
Boston Psychopathic Hospital . . . . .	85	57	142	95.21	74.18	169.39	116.84
Grafton State Hospital . . . . .	747	760	1,507	761.17	735.74	1,496.91	234.87
Medfield State Hospital . . . . .	755	1,019	1,774	772.32	1,003.56	1,780.88	262.90
Gardner State Colony . . . . .	557	412	969	540.44	382.85	923.29	148.29
Monson State Hospital . . . . .	624	623	1,247	616.95	622.73	1,239.68	125.80
Foxborough State Hospital . . . . .	326	335	661	321.10	329.38	650.48	179.06
Massachusetts School for Feeble-minded at Waltham . . . . .	929	647	1,576	909.70	645.85	1,555.55	243.15
Wrentham State School . . . . .	440	795	1,235	434.41	794.04	1,223.45	184.37
Belchertown State School . . . . .	249	215	464	178.98	89.27	268.25	86.74
Totals . . . . .	10,100	11,074	21,174	9,885.80	10,785.42	20,671.22	3,033.35

TABLE 10. — *Statistical Form for State Institutions, etc. — Concluded.*

INSTITUTIONS.	EXPENDED.						New Buildings, Permanent Improvements, Land, etc.	Grand Totals.
	CURRENT EXPENSES.							
	Salaries and Wages.	Clothing.	Subsistence.	Ordinary Repairs.	Office, Domestic and Outdoor Expenses.	Totals.		
Worcester State Hospital	\$315,867 80	\$17,674 98	\$135,145 61	\$39,677 04	\$209,118 85	\$717,484 28	\$12,534 97	\$730,019 25
Taunton State Hospital	212,064 48	18,527 58	89,035 82	32,552 93	134,786 74	437,017 55	13,533 76	500,551 31
Northampton State Hospital	139,855 57	7,658 76	66,633 16	30,171 81	98,781 49	343,100 79	95 50	343,196 29
Danvers State Hospital	249,808 35	13,889 53	109,314 55	29,941 40	210,563 13	613,516 96	57,490 04	671,007 00
Westborough State Hospital	216,051 92	15,549 90	104,576 64	34,536 75	159,888 98	530,604 19	24,822 57	555,426 76
Boston State Hospital	312,432 13	36,219 19	185,403 94	41,059 57	177,882 64	752,997 47	42,136 43	795,133 90
Boston Psychopathic Hospital	126,601 64	754 51	31,663 65	8,234 88	41,904 73	209,159 41	—	209,159 41
Grafton State Hospital	228,980 50	19,653 40	94,508 07	34,299 18	136,265 77	513,707 01	50,761 81	564,468 82
Medfield State Hospital	244,794 24	25,846 46	114,959 06	39,796 17	154,428 02	579,823 95	48,730 77	628,554 72
Foxborough State Hospital	132,701 13	10,069 39	39,918 43	24,922 55	102,003 01	369,614 51	233,009 13	542,623 64
Gardner State Colony	141,206 01	10,970 48	45,683 54	20,120 17	102,247 40	320,227 60	118,621 66	438,849 26
Monson State Hospital	169,912 22	10,441 34	65,301 19	20,124 94	106,861 23	372,640 92	9,487 56	382,128 48
Massachusetts School for Feeble-minded at Waltham	234,982 77	27,267 00	103,053 74	29,871 92	146,717 56	541,892 99	80,893 02	622,786 01
Wrentham State School	172,844 25	23,981 11	99,699 50	37,455 62	136,065 73	470,046 21	51,498 84	521,545 05
Belchertown State School	91,582 66	12,962 29	32,045 50	10,303 97	79,731 54	226,627 96	458,257 80	684,885 76
Totals	\$2,939,685 67	\$251,466 01	\$1,316,992 40	\$433,070 90	\$1,997,246 82	\$6,933,461 80	\$1,201,873 86	\$8,190,335 66

TABLE 11. — *Classes of Persons under Supervision, their Number and Location, Oct. 1, 1923, and their Increase for the Year.*

INSANE.																CRIMINAL.																																
IN INSTITUTIONS.																ON BOOKS.			Non-resident.			EPILEPTIC.			Males.			Females.			Totals.																	
NUMBER.																INCREASE FOR THE YEAR.			NUMBER.			INCREASE FOR THE YEAR.			Non-resident.			Males.			Females.			Totals.			Males.			Females.			Totals.					
Males.																Females.			Totals.			Males.			Females.			Totals.			Males.			Females.			Totals.			Males.			Females.			Totals.		
Males.																Females.			Totals.			Males.			Females.			Totals.			Males.			Females.			Totals.			Males.			Females.			Totals.		
Males.																Females.			Totals.			Males.			Females.			Totals.			Males.			Females.			Totals.			Males.			Females.			Totals.		
Males.																Females.			Totals.			Males.			Females.			Totals.			Males.			Females.			Totals.			Males.			Females.			Totals.		
Males.																Females.			Totals.			Males.			Females.			Totals.			Males.			Females.			Totals.			Males.			Females.			Totals.		
Males.																Females.			Totals.			Males.			Females.			Totals.			Males.			Females.			Totals.			Males.			Females.			Totals.		
Males.																Females.			Totals.			Males.			Females.			Totals.			Males.			Females.			Totals.			Males.			Females.			Totals.		
Males.																Females.			Totals.			Males.			Females.			Totals.			Males.			Females.			Totals.			Males.			Females.			Totals.		
Males.																Females.			Totals.			Males.			Females.			Totals.			Males.			Females.			Totals.			Males.			Females.			Totals.		
Males.																Females.			Totals.			Males.			Females.			Totals.			Males.			Females.			Totals.			Males.			Females.			Totals.		
Males.																Females.			Totals.			Males.			Females.			Totals.			Males.			Females.			Totals.			Males.			Females.			Totals.		
Males.																Females.			Totals.			Males.			Females.			Totals.			Males.			Females.			Totals.			Males.			Females.			Totals.		
Males.																Females.			Totals.			Males.			Females.			Totals.			Males.			Females.			Totals.			Males.			Females.			Totals.		
Males.																Females.			Totals.			Males.			Females.			Totals.			Males.			Females.			Totals.			Males.			Females.			Totals.		
Males.																Females.			Totals.			Males.			Females.			Totals.			Males.			Females.			Totals.			Males.			Females.			Totals.		
Males.																Females.			Totals.			Males.			Females.			Totals.			Males.			Females.			Totals.			Males.			Females.			Totals.		
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Males.																Females.			Totals.			Males.			Females.			Totals.			Males.			Females.			Totals.			Males.			Females.			Totals.		
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Males.																Females.			Totals.			Males.			Females.			Totals.			Males.			Females.			Totals.			Males.			Females.			Totals.		
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Males.																Females.			Totals.			Males.			Females.			Totals.			Males.			Females.			Totals.			Males.			Females.			Totals.		
Males.																Females.			Totals.			Males.			Females.			Totals.			Males.			Females.			Totals.			Males.			Females.			Totals.		
Males.																Females.			Totals.			Males.			Females.			Totals.			Males.			Females.			Totals.			Males.			Females.			Totals.		
Males.																Females.			Totals.			Males.			Females.			Totals.			Males.			Females.			Totals.			Males.			Females.			Totals.		
Males.																Females.			Totals.			Males.			Females.			Totals.			Males.			Females.			Totals.			Males.			Females.			Totals.		
Males.																Females.			Totals.			Males.			Females.			Totals.			Males.			Females.			Totals.			Males.			Females.			Totals.		
Males.																Females.			Totals.			Males.			Females.			Totals.			Males.			Females.			Totals.			Males.			Females.			Totals.		
Males.																Females.			Totals.			Males.			Females.			Totals.			Males.			Females.			Totals.			Males.			Females.			Totals.		
Males.																Females.			Totals.			Males.			Females.			Totals.			Males.			Females.			Totals.			Males.			Females.			Totals.		
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Males.																Females.			Totals.			Males.			Females.			Totals.			Males.			Females.			Totals.			Males.			Females.			Totals.		
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Males.																Females.			Totals.			Males.			Females.			Totals.			Males.			Females.			Totals.			Males.			Females.			Totals.		
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Males.																Females.			Totals.			Males.			Females.			Totals.			Males.			Females.			Totals.			Males.			Females.			Totals.		
Males.																Females.			Totals.			Males.			Females.			Totals.			Males.			Females.			Totals.			Males.			Females.			Totals.		
Males.																Females.			Totals.			Males.			Females.			Totals.			Males.			Females.			Totals.			Males.			Females.			Totals.		
Males.																Females.			Totals.			Males.			Females.			Totals.			Males.			Females.			Totals.			Males.			Females.			Totals.		
Males.																Females.			Totals.			Males.			Females.			Totals.			Males.			Females.			Totals.			Males.			Females.			Totals.		
Males.																Females.			Totals.			Males.			Females.			Totals.			Males.			Females.			Totals.			Males.			Females.			Totals.		
Males.																Females.			Totals.			Males.			Females.			Totals.			Males.			Females.			Totals.			Males.			Females.			Totals.		
Males.																Females.			Totals.			Males.			Females.			Totals.			Males.			Females.			Totals.			Males.			Females.			Totals.		
Males.																Females.			Totals.			Males.			Females.			Totals.			Males.			Females.			Totals.			Males.			Females.			Totals.		
Males.																Females.			Totals.			Males.			Females.			Totals.			Males.			Females.			Totals.			Males.			Females.			Totals.		
Males.																Females.			Totals.			Males.			Females.			Totals.			Males.			Females.			Totals.			Males.			Females.			Totals.		
Males.																Females.			Totals.			Males.			Females.			Totals.			Males.			Females.			Totals.			Males.			Females.			Totals.		
Males.																Females.			Totals.			Males.			Females.			Totals.			Males.			Females.			Totals.			Males.			Females.			Totals.		
Males.																Females.			Totals.			Males.			Females.			Totals.			Males.			Females.			Totals.			Males.			Females.			Totals.		
Males.																Females.			Totals.			Males.			Females.			Totals.			Males.			Females.			Totals.			Males.			Females.			Totals.		
Males.																Females.			Totals.			Males.			Females.			Totals.			Males.			Females.			Totals.			Males.			Females.			Totals.		
Males.																Females.			Totals.			Males.			Females.			Totals.			Males.			Females.			Totals.			Males.			Females.			Totals.		
Males.																Females.			Totals.			Males.			Females.			Totals.			Males.			Females.			Totals.			Males.			Females.			Totals.		
Males.																Females.			Totals.			Males.			Females.			Totals.			Males.			Females.			Totals.			Males.			Females.			Totals.		
Males.																Females.			Totals.			Males.			Females.			Totals.			Males.			Females.			Totals.			Males.			Females.			Totals.		
Males.																Females.			Totals.			Males.			Females.			Totals.			Males.			Females.			Totals.			Males.			Females.			Totals.		
Males.																Females.			Totals.			Males.			Females.			Totals.			Males.			Females.			Totals.			Males.			Females.			Totals.		
Males.																Females.			Totals.			Males.			Females.			Totals.			Males.			Females.			Totals.			Males.			Females.			Totals.		
Males.																Females.			Totals.			Males.			Females.			Totals.			Males.			Females.			Totals.			Males.			Females.			Totals.		
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Males.																Females.			Totals.			Males.			Females.			Totals.			Males.			Females.			Totals.			Males.			Females.			Totals.		
Males.																Females.			Totals.			Males.			Females.			Totals.			Males.			Females.			Totals.			Males.			Females.			Totals.		
Males.																Females.			Totals.			Males.			Females.			Totals.			Males.			Females.			Totals.			Males.			Females.			Totals.		
Males.																Females.			Totals.			Males.			Females.			Totals.			Males.			Females.			Totals.			Males.			Females.			Totals.		
Males.																Females.			Totals.			Males.			Females.			Totals.			Males.			Females.			Totals.			Males.			Females.			Totals.		
Males.																Females.			Totals.			Males.			Females.			Totals.			Males.			Females.			Totals.			Males.			Females.			Totals.		
Males.																Females.			Totals																													

<sup>1</sup> Decrease.



TABLE 11. — *Classes of Persons under Supervision, etc.* — Continued.

OTHER CLASSES.														ALL CLASSES.			
	IN INSTITUTIONS.																
	VOLUNTARY.						FOR TEMPORARY CARE.										
	MENTAL (SAME).			NON-MENTAL.			Males.		Females.		Totals.		On Visit and Es- cape.				
	Males.	Females.	Totals.	Males.	Females.	Totals.	Males.	Females.	Totals.	Males.	Females.	Totals.					
Insane:																	
Public institutions:																	
Worcester Hospital	1	—	1	—	—	5	4	9	—	—	—	1,081	1,068	2,149			
Taunton Hospital	—	—	—	—	—	4	3	7	—	—	—	675	741	1,416			
Northampton Hospital	—	—	—	—	—	1	3	4	—	—	—	511	578	1,089			
Danvers Hospital	—	—	—	—	—	3	—	3	—	—	—	707	959	1,666			
Westborough Hospital	3	4	7	—	—	2	3	5	—	—	—	540	797	1,337			
Boston Hospital	—	—	—	—	—	3	2	5	—	—	—	906	1,208	2,114			
Psychopathic Hospital	1	2	3	—	—	17	12	29	—	—	—	42	24	66			
Grafton Hospital	—	—	—	—	—	—	—	—	—	—	—	715	750	1,465			
Medfield Hospital	—	—	—	—	—	1	1	2	—	—	—	715	990	1,705			
Gardner Colony	—	—	—	—	—	—	2	2	—	—	—	546	393	939			
Monson Hospital	361	400	761	—	—	—	1	1	2	—	—	528	561	1,089			
Foxborough Hospital	—	—	—	—	—	—	—	—	2	—	—	266	303	569			
Mental Wards, State Infirmary	—	—	—	—	—	—	—	—	—	—	—	221	491	712			
Bridgewater Hospital	—	—	—	—	—	—	—	—	—	—	—	876	—	876			
Totals	366	406	772	—	—	—	37	31	68	—	—	8,329	8,863	17,192			
Family Care under the Department	—	—	—	—	—	—	—	—	—	—	—	—	27	27			
Totals, public	366	406	772	—	—	—	37	31	68	—	—	8,329	8,890	17,219			
Private institutions:																	
McLean Hospital	1	—	1	—	—	—	—	2	2	—	—	84	130	214			
Smaller institutions	9	10	19	12	31	43	1	1	2	26	2	66	159	225			
Totals, private	10	10	20	12	31	43	1	3	4	26	2	150	289	439			
Totals, public and private	376	416	792	12	31	43	38	34	72	26	2	8,479	9,179	17,658			
Totals												9,611	9,942	19,553			
												1,372	1,207	2,579			
												781	824	1,605			
												630	706	1,336			
												918	1,122	2,040			
												936	1,580	2,516			
												1,046	1,416	2,462			
												85	57	142			
												747	750	1,507			
												755	1,019	1,774			
												557	612	1,169			
												624	623	1,247			
												326	335	661			
												227	498	725			
												899	—	899			
												9,611	9,915	19,526			
												—	27	27			
												9,611	9,942	19,553			
												91	130	221			
												78	184	262			
												169	314	483			
												9,780	10,256	20,036			

TABLE 11. — *Classes of Persons under Supervision, etc.* — Continued.

	IN INSTITUTIONS.				On Visit and Es- cape.	ON BOOKS.					
	NUMBER.		INCREASE FOR YEAR.			NUMBER.		INCREASE FOR YEAR.			
	Males.	Females.	Totals.			Males.	Females.	Totals.			
Feeble-minded:											
School for Feeble-minded at Waltham	.	.	.	.	.	.	.	.	.	.	.
Wrentham School	929	647	1,576	18 <sup>1</sup>	255	1,126	705	1,831	8 <sup>1</sup>	2 <sup>1</sup>	10 <sup>1</sup>
Belchertown School	440	795	1,235	2 <sup>1</sup>	232	560	907	1,467	7 <sup>1</sup>	—	40 <sup>1</sup>
Hospital Cottages for Children	223	205	428	223	36	250	214	464	250	214	40 <sup>1</sup>
Elm Hill School	44	32	76	4 <sup>1</sup>	2	45	33	78	3 <sup>1</sup>	7	4
Smaller private institutions	24	9	33	—	—	24	9	33	—	—	—
Alms-houses and private families <sup>2</sup>	10	25	35	4	—	10	25	35	4	6	10
Totals, feeble-minded	1,747	1,783	3,530	173	525	2,092	1,963	4,055	206	26 <sup>1</sup>	56 <sup>1</sup>
Epileptics:											
Monson Hospital	528	561	1,089	22 <sup>1</sup>	—	—	—	—	—	—	—
Public institutions for insane	222	192	414	17 <sup>1</sup>	—	—	—	—	—	—	—
School for Feeble-minded at Waltham	2	3	5	3 <sup>1</sup>	—	—	—	—	—	—	—
Hospital Cottages for Children	16	14	30	6 <sup>1</sup>	—	—	—	—	—	—	—
Private institutions	7	6	13	—	—	—	—	—	—	—	—
Totals, epileptics	775	776	1,551	48 <sup>1</sup>	—	—	—	—	—	—	—
Whole number of persons under supervision	11,884	12,297	24,111 <sup>3</sup>	335	—	—	—	—	—	—	—
Viz., insane, feeble-minded, epileptic and inebriate	11,807	12,138	23,945	325	—	—	—	—	—	—	—
Voluntary mental patients (sane)	15	16	31	9	—	—	—	—	—	—	—
Temporary care	38	34	72	1 <sup>1</sup>	—	—	—	—	—	—	—
Other classes	24	39	63	2	—	—	—	—	—	—	—

<sup>1</sup> Decrease.<sup>2</sup> Taken from reports of overseers of poor March, 1923.<sup>3</sup> Includes total number of patients on books, *i.e.*, in institutions and absent on visit, etc.

TABLE 11. — *Classes of Persons under Supervision, etc. — Concluded.*

	NON-RESIDENT.			EPILEPTIC.			SCHOOL.			CUSTODIAL.			OTHER CLASSES.			TOTAL ON BOOKS.		
	Males.	Females.	Totals.	Males.	Females.	Totals.	Males.	Females.	Totals.	Males.	Females.	Totals.	Males.	Females.	Totals.	Males.	Females.	Totals.
Feeble-minded:																		
School for Feeble-minded at Waltham . . . . .	1	1	2	2	3	5	475	250	725	454	397	851	—	—	—	1,126	705	1,831
Wrentham School . . . . .	—	—	—	—	—	—	258	297	555	182	498	680	—	—	—	560	907	1,467
Belchertown School . . . . .	—	—	—	—	—	—	102	73	175	121	132	253	—	—	—	250	214	464
Hospital Cottages for Children . . . . .	—	—	—	16	14	30	19	14	33	25	18	43	12	8	20	57	41	98
Elm Hill School . . . . .	18	7	25	1	1	2	11	7	18	13	3	16	—	—	—	24	9	33
Smaller private institutions . . . . .	—	—	—	—	—	—	10	25	35	—	—	—	—	—	—	10	25	35
Alms-houses and private families <sup>1</sup> . . . . .	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	77	70	147
Totals, feeble-minded . . . . .	19	8	27	19	18	37	875	666	1,541	795	1,048	1,843	12	8	20	2,104	1,971	4,075
Epileptics:																		
Monson Hospital . . . . .	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Public institutions for insane . . . . .	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
School for Feeble-minded at Waltham . . . . .	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Hospital Cottages for Children . . . . .	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Private institutions . . . . .	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Totals, epileptics . . . . .	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Whole number of persons under supervision . . . . .	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Viz., insane, feeble-minded, epileptic and inebriate . . . . .	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Voluntary mental patients (sane) . . . . .	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Temporary care . . . . .	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Other classes . . . . .	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

<sup>1</sup> Taken from reports of overseers of poor March, 1923.

TABLE 12. — Movement of Insane Patient Population in Institutions and boarded in Private Families for the Year ending Sept. 30, 1923.

	Worcester Hospital.	Taunton Hospital.	Northampton Hospital.	Danvers Hospital.	Westborough Hospital.	Boston Hospital.	Psychopathic Hospital.	Grafton Hospital.	Medford Hospital.	Gardner State Colony.	Monson Hospital.
1. Insane patients on books Sept. 30, 1922.											
Men	2,440	1,628	1,288	1,991	1,573	2,349	158	1,524	1,794	922	340
Women	1,268	786	618	885	646	1,020	97	778	777	543	176
Admissions during year:	1,172	842	670	1,106	927	1,329	61	746	1,017	379	164
A. First admissions.											
Men	462	291	340	448	303	447	187	18	36	39	15
Women	246	148	165	242	132	200	95	10	19	12	9
B. Readmissions.	216	143	175	206	171	247	92	8	17	27	6
Men	122	64	75	138	104	132	42	8	11	11	2
Women	67	26	44	69	44	56	16	5	7	3	1
Total admissions	55	38	31	69	60	76	26	3	4	8	1
Men	584	355	415	586	407	579	229	26	47	50	17
Women	313	174	209	311	176	256	111	15	26	15	10
C. Transfers from other institutions	271	181	206	275	231	323	118	11	21	35	7
Men	88	6	3	17	10	43	1	32	75	57	6
Women	62	5	—	5	3	11	1	2	26	37	4
2. Total received during year	26	1	3	12	7	32	—	30	49	20	2
Men	672	361	418	603	417	622	230	58	122	107	23
Women	375	179	209	316	179	267	112	17	52	14	9
3. Total under treatment during year:	297	182	209	287	238	355	118	41	70	55	9
Men	3,112	1,989	1,706	2,594	1,990	2,971	388	1,582	1,916	1,029	363
Women	1,643	965	827	1,201	825	1,287	209	795	829	595	190
Discharged from books during year:	1,469	1,024	879	1,393	1,165	1,684	179	787	1,087	434	173
A. As recovered	31	11	62	13	61	41	—	—	19	5	—
Men	19	8	24	9	28	22	—	—	10	3	—
Women	12	3	38	4	33	19	—	—	9	2	—
B. As improved	193	131	75	255	160	117	68	7	29	11	3
Men	87	71	32	149	67	42	33	6	15	4	3
Women	106	60	43	106	93	75	35	1	14	7	—



C. As unimproved	74	58	23	21	23	37	90	15	4	7	1
Men	44	14	14	10	15	20	49	14	3	6	1
Women	30	44	9	11	8	17	41	1	1	1	1
D. As not insane	21	6	3	9	3	3	59	2	2	7	1
Men	10	5	1	5	2	2	40	2	4	4	1
Women	11	1	2	4	1	1	19	4	3	3	1
E. Transferred to other institutions	16	8	103	31	39	69	65	4	4	3	1
Men	9	5	69	16	5	34	22	3	3	3	1
Women	7	3	34	15	34	35	43	1	1	1	1
F. Died during year	208	177	108	228	136	247	10	47	88	29	23
Men	108	85	58	97	69	124	6	23	44	18	14
Women	100	92	50	131	67	123	4	24	44	11	9
4 Total discharged from books during year	543	391	374	557	422	514	292	75	144	62	27
Nominally dismissed	277	188	198	286	186	244	150	48	75	38	17
Men	266	203	176	271	236	270	142	27	69	24	10
Women	2,569	1,598	1,332	2,037	1,568	2,457	96	1,507	1,772	967	336
5. Insane patients remaining on books Sept. 30, 1923	1,366	777	620	915	639	1,043	59	747	1,018	557	173
Men	1,203	821	703	1,122	939	1,414	37	760	1,018	410	163
Women	2,487	1,590	1,378	2,006	1,558	2,406	89	1,502	1,780	923	334
6a. Average daily number of patients on books during year	1,308	765	594	898	639	1,033	51	760	1,008	540	170
Men	1,178	824	684	1,108	919	1,372	38	742	1,008	582	163
Women	2,065	1,350	1,043	1,641	1,295	2,085	79	1,448	1,694	852	326
6b. Average daily number of patients in institutions during year	1,048	645	506	695	529	942	46	725	724	523	166
Men	1,016	633	536	945	765	832	33	723	723	523	166
Women	20	16	9	16	14	10	3	6	7	4	58
7a. Average daily number of patients in family care during year	20	13	9	16	10	13	1	6	7	5	95
Men	20	13	9	16	10	13	1	6	7	5	95
Women	400	223	226	348	249	308	10	47	78	23	56
7b. Average daily number of patients on visit and escape during year	259	117	87	202	109	125	5	35	47	10	7
Men	141	106	35	145	79	82	5	12	31	7	3
Women	2,120	1,365	1,076	1,647	1,315	2,089	24	1,451	1,697	891	328
8. Number of patients actually remaining in institution Sept. 30, 1923	1,075	609	510	704	535	902	34	715	714	540	167
Men	1,045	566	493	694	535	780	10	739	739	540	167
Women	1,234	825	623	1,265	936	1,197	30	1,401	1,605	848	313
State Reimbursing	147	111	106	223	154	213	4	48	85	30	13
Private	84	50	145	159	225	84	4	5	7	13	2
9. Number of patients in family care Sept. 30, 1923	19	14	9	16	10	10	1	11	6	46	2
Men	2	2	9	16	10	10	1	11	6	46	2
Women	19	12	9	16	10	9	1	11	6	40	1
State Self-supporting	11	8	7	11	5	5	1	7	5	34	1
Private	3	5	1	1	5	4	1	4	1	12	1

TABLE 12. — *Movement of Insane Patient Population in Institutions and boarded in Private Families for the Year ending Sept. 30, 1923*  
— Continued.

	Worcester Hospital.	Taunton Hospital.	Northampton Hospital.	Danvers Hospital.	Westborough Hospital.	Boston Hospital.	Psychopathic Hospital.	Grafton Hospital.	Medford Hospital.	Gardner State Colony.	Monson Hospital.
10. Number of non-insane patients actually in institution Sept. 30, 1923	10	6	4		12		17		2	2	761
A. Drug cases											
Men											
Women											
B. Inebriate											
Men											
Women											
C. Neurological cases											
Men											
Women											
D. Epileptic (not feeble-minded)											
Men											
Women											
E. Feeble-minded cases (not epileptic)											
Men											
Women											
F. Feeble-minded epileptics											
Men											
Women											
G. All other cases	10	6	4		12		17		2	2	761
Men	6	3	1		5		9		1		361
Women	4	3	3		7		8		1		400

TABLE 12. — Movement of Insane Patient Population in Institutions and boarded in Private Families for the Year ending Sept. 30, 1923  
— Continued.

	Foxborough Hospital.	Mental Wards, State Infirmary.	Bridgewater Hospital.	Total Public Institutions.	Family Care under Department.	Total Public.	McLean Hospital.	Smaller Private Institutions.	Total Private.	Aggregates.
1. Insane patients on books Sept. 30, 1922										
Men	633	735	873	18,248 <sup>1</sup>	29	18,277	212	191	403	18,680
Women	308	232	873	8,997	—	8,997	88	38	126	9,123
Admissions during year:	325	513	—	9,251	29	9,280	124	153	277	9,557
A. First admissions										
Men	102	33	65	2,786	—	2,786	50	170	220	3,006
Women	58	23	65	1,424	—	1,424	26	50	76	1,500
B. Readmissions	44	10	—	1,362	—	1,362	24	120	144	1,506
Men	29	4	14	756	—	756	34	48	82	838
Women	16	1	14	369	—	369	16	15	31	400
Total admissions	13	3	79	387	—	387	18	33	51	438
Men	131	37	79	3,542	—	3,542	84	218	302	3,844
Women	74	24	79	1,793	—	1,793	42	65	107	1,900
C. Transfers from other institutions	57	13	8	1,749	—	1,749	42	153	195	1,944
Men	8	15	8	369	1	370	15	10	23	395
Women	6	4	—	174	—	174	7	9	17	182
2. Total received during year	2	11	—	195	—	196	8	9	17	213
Men	139	52	87	3,911	1	3,912	99	228	327	4,239
Women	80	28	87	1,967	—	1,967	49	66	115	2,082
3. Total under treatment during year	59	24	—	1,944	1	1,945	50	162	212	2,157
Men	772	787	900	22,159	30	22,189	311	419	730	22,919
Women	388	250	960	10,964	—	10,964	137	104	241	11,205
Discharged from books during year:	384	537	—	11,195	30	11,225	174	315	489	11,714
A. As recovered	14	1	8	266	—	266	26	47	73	339
Men	6	1	8	138	—	138	9	17	26	161
Women	8	—	—	128	—	128	17	30	47	175
B. As improved	29	3	4	1,085	—	1,085	25	78	103	1,188
Men	18	3	4	534	—	534	15	17	32	566
Women	11	—	—	551	—	551	10	61	71	622

<sup>1</sup> Number reduced 7 from close of last year. Classification changed.

TABLE 12. — *Movement of Insane Patient Population in Institutions and boarded in Private Families for the Year ending Sept. 30, 1923*  
— Concluded.

	Foxborough Hospital.	Mental Wards, State Infirm-ary.	Bridgewater Hospital.	Total Public Institutions.	Family Care under Depart-ment.	Total Public.	McLean Hospital.	Smaller Private Institutions.	Total Private.	Aggregates.
3. Total under treatment during year—Con. Discharged from books during year—Con.										
C. As unimproved										
Men	11	—	5	369	—	369	7	57	64	433
Women	7	—	5	201	—	201	4	19	23	224
D. As not insane	4	—	5	168	—	168	3	38	41	209
Men	—	—	8	121	—	121	3	6	9	130
Women	—	—	8	79	—	79	3	1	4	83
E. Transferred to other institutions	—	—	—	42	—	42	—	5	5	47
Men	—	—	—	356	—	356	12	39	51	409
Women	4	7	3	174	2	174	6	10	16	190
F. Died during year	3	6	3	182	2	184	6	29	35	219
Men	55	51	33	1,440	—	1,440	20	22	42	1,482
Women	31	18	33	728	—	728	10	10	20	748
Nominally dismissed	24	33	—	712	—	712	10	12	22	734
4. Total discharged from books during year	—	—	—	—	—	—	—	—	—	—
Men	113	62	61	3,637	2	3,639	93	249	342	3,981
Women	63	23	61	1,854	—	1,854	47	74	121	1,975
5. Insane patients remaining on books Sept. 30, 1923	50	39	—	1,783	2	1,785	46	175	221	2,006
Men	659	725	899	18,522	28	18,550	218	170	388	18,938
Women	325	227	899	9,110	—	9,110	90	30	120	9,230
6a. Average daily number of patients on books during year	334	498	—	9,412	28	9,440	128	140	268	9,708
Men	649.22	726.70	861.02	18,196.172	27.93	18,224.102	210.45	179.00	389.45	18,613.552
Women	319.77	219.71	861.02	8,934.893	—	8,934.893	87.07	34.00	121.07	9,065.963
6b. Average daily number of patients in institutions during year	329.45	506.99	—	9,261.279	27.93	9,289.209	123.38	145.00	268.38	9,557.589
Men	564.15	723.13	845.50	16,015.744	—	16,015.744	206.43	151.00	357.43	16,373.174
Women	270.20	219.30	845.50	7,854.872	—	7,854.872	83.37	26.00	109.37	7,964.242
7a. Average daily number of patients in family care during year	293.95	503.83	—	8,160.872	—	8,160.872	123.06	125.00	248.06	8,408.932
Men	—	—	—	152.350	27.93	180.280	—	—	—	180.280
Women	—	—	—	9.720	—	9.720	—	—	—	9.720
7b. Average daily number of patients on visit and escape during year	85.07	3.57	15.52	142.630	27.93	170.560	—	—	—	170.560
Men	49.57	.41	15.52	2,028.078	—	2,028.078	4.02	28.00	32.02	2,060.098
Women	35.50	3.16	—	1,070.301	—	1,070.301	3.70	8.00	11.70	1,082.001
				957.777	—	957.777	.32	20.00	20.32	978.097



<sup>1</sup> Includes soldier cases.

TABLE 13. — *Nativity of First Admissions and of Parents of First Admissions at Public Institutions for the Insane and McLean Hospital.*

	PATIENTS.			PARENTS OF MALE PATIENTS.			PARENTS OF FEMALE PATIENTS.		
	Males.	Females.	Totals.	Males.	Females.	Totals.	Males.	Females.	Totals.
United States	789	793	1,582	422	405	648	430	421	651
Africa	—	—	—	1	—	—	—	—	—
Albania	4	—	4	4	4	8	—	—	—
Asia (not otherwise specified)	6	1	7	6	6	12	1	1	2
Armenia	—	1	1	—	—	—	1	1	2
Australia	—	—	—	1	—	1	—	—	—
Austria	16	14	30	20	20	35	13	15	23
Belgium	—	—	—	2	3	2	1	—	1
Czecko-Slovakia	—	1	1	—	—	—	1	1	2
Canada	120	145	265	165	167	254	173	183	277
Central America	—	—	—	—	—	—	—	—	—
China	1	3	4	1	1	2	3	3	4
Cuba	2	—	2	1	2	3	—	—	—
Denmark	1	—	1	1	1	2	3	—	—
England	49	48	97	68	59	103	53	52	77
Europe (not otherwise specified)	7	1	8	4	4	6	2	1	1
Finland	6	3	9	8	7	14	4	4	7
France	5	7	12	5	3	6	11	9	15
Germany	13	12	25	31	27	53	25	23	36
Greece	24	3	27	24	24	38	3	3	4
Holland	1	1	2	4	4	6	1	1	2
Hungary	2	1	3	2	2	4	2	2	4
Ireland	116	172	288	259	281	390	329	335	482
Italy	72	48	120	77	76	120	54	54	78
Japan	—	—	—	—	—	—	—	—	—
Lithuania	—	1	1	1	1	1	2	2	3
Norway	5	3	8	4	5	6	4	3	5
Philippine Islands	1	—	1	1	1	2	—	—	—
Poland	47	22	69	51	52	92	26	24	40
Portugal	14	2	16	12	11	19	4	3	7
Roumania	1	—	1	—	—	—	1	1	1
Russia	90	38	128	94	91	156	45	44	70
Scotland	13	18	31	22	19	31	28	28	45
Spain	1	4	5	1	1	2	4	4	7
Sweden	20	19	39	27	27	41	24	25	33
Switzerland	—	—	—	—	—	—	—	—	—
Syria	1	—	1	1	1	2	—	—	—
Turkey in Asia	4	2	6	3	3	4	2	2	2
Turkey in Europe	2	—	2	2	2	3	—	—	—
Wales	—	—	—	1	—	1	—	—	—
West Indies	10	15	25	12	14	25	15	16	30
Other countries	4	3	7	5	4	8	2	2	4
Total foreign born	658	588	1,246	921	923	1,452	837	843	1,264
Unascertained	3	5	8	107	122	142	119	122	163
Grand total	1,450	1,386	2,836	1,450	1,450	2,242	1,386	1,386	2,078

TABLE 14. — *Citizenship of First Admissions classified with Reference to Principal Psychoses at Public Institutions for the Insane and McLean Hospital.*

	Males.	Females.	Totals.
By birth . . . . .	790	791	1,581
By naturalization . . . . .	209	179	388
Aliens . . . . .	362	290	652
Unascertained . . . . .	89	126	215
Total . . . . .	1,450	1,386	2,836

TABLE 15. — *Psychoses of First Admissions at Public Institutions for the Insane and McLean Hospital.*

	Males.	Females.	Totals.
1. Traumatic psychoses . . . . .	9	1	10
2. Senile psychoses . . . . .	92	180	272
3. Psychoses with cerebral arteriosclerosis . . . . .	162	170	332
4. General paralysis . . . . .	189	50	239
5. Psychoses with cerebral syphilis . . . . .	12	10	22
6. Psychoses with Huntington's chorea . . . . .	2	—	2
7. Psychoses with brain tumor . . . . .	—	3	3
8. Psychoses with other brain or nervous diseases . . . . .	24	22	46
9. Alcoholic psychoses . . . . .	192	30	222
10. Psychoses due to drugs and other exogenous toxins . . . . .	7	8	15
11. Psychoses with pellagra . . . . .	1	1	2
12. Psychoses with other somatic diseases . . . . .	34	71	105
13. Manic-depressive psychoses . . . . .	132	182	314
14. Involution melancholia . . . . .	20	54	74
15. Dementia præcox . . . . .	292	326	618
16. Paranoia and paranoic conditions . . . . .	26	46	72
17. Epileptic psychoses . . . . .	34	28	62
18. Psychoneuroses and neuroses . . . . .	9	27	36
19. Psychoses with constitutional psychopathic inferiority . . . . .	21	15	36
20. Psychoses with mental deficiency . . . . .	40	33	73
21. Undiagnosed psychoses . . . . .	99	96	195
22. Without psychoses . . . . .	53	33	86
Total . . . . .	1,450	1,386	2,836

TABLE 16. — Race of First Admissions, classified with Reference to Principal Psychoses, at Public Institutions for the Insane and McLean Hospital.

	TOTAL.			TRAUMATIC.			SENILE.			WITH CEREBRAL ARTERIO-SCLEROSIS.			GENERAL PARALYSIS.			WITH CEREBRAL SYPHILIS.			WITH HUNTINGTON'S CHOREA.			WITH BRAIN TUMOR.		
	Males.	Females.	Totals.	Males.	Females.	Totals.	Males.	Females.	Totals.	Males.	Females.	Totals.	Males.	Females.	Totals.	Males.	Females.	Totals.	Males.	Females.	Totals.	Males.	Females.	Totals.
African (black)	33	44	77	-	-	-	1	4	5	4	8	12	10	6	16	2	1	3	-	-	-	-	-	-
American Indian	2	1	3	-	-	-	-	-	-	-	-	-	1	-	1	-	-	-	-	-	-	-	-	-
Armenian	4	1	5	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Bulgarian	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Chinese	1	3	4	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Cuban	1	1	2	-	-	-	-	-	-	-	-	-	1	-	1	-	-	-	-	-	-	-	-	-
Dutch and Flemish	4	2	6	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
East Indian	1	-	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
English	261	259	520	2	50	52	22	50	72	45	44	89	34	7	41	2	1	3	2	1	2	1	1	1
Finnish	6	4	10	-	-	-	-	-	-	-	-	-	1	1	2	-	-	-	-	-	-	-	-	-
French	103	98	201	1	1	2	5	8	13	11	3	14	13	1	21	1	-	-	1	-	-	1	1	1
German	32	23	55	1	1	2	2	2	4	1	2	3	5	1	6	-	-	-	1	-	-	1	1	1
Greek	21	4	25	-	-	-	1	1	2	2	1	3	3	-	3	-	-	-	-	-	-	-	-	-
Hebrew	52	38	90	-	-	-	1	1	2	2	1	3	3	-	12	-	-	-	-	-	-	-	-	-
Irish	319	358	677	5	52	57	30	52	82	40	41	81	26	7	33	3	3	6	-	-	-	-	-	-
Italian	77	57	134	-	-	-	1	3	4	4	5	9	18	1	19	-	-	-	-	-	-	-	-	-
Japanese	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Lithuanian	26	13	39	-	-	-	-	-	-	-	-	-	1	-	1	-	-	-	-	-	-	-	-	-
Magyar	8	6	14	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Mexican	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Pacific Islander	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Portuguese	23	14	37	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Roumanian	9	9	18	-	-	-	1	2	3	-	-	-	3	-	3	-	-	-	-	-	-	-	-	-
Scandinavian	32	29	61	-	-	-	1	6	7	3	2	5	6	2	6	-	-	-	-	-	-	1	1	1
Scotch	28	33	61	-	-	-	1	6	7	4	5	9	2	2	4	1	-	-	-	-	-	-	-	-
Slavonic	83	34	122	-	-	-	1	4	10	4	3	4	3	1	4	-	-	-	-	-	-	-	-	-
Spanish	1	4	5	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Spanish-American	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Syrian	11	3	14	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Turkish	6	1	7	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Welsh	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
West Indian	1	1	2	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Other specific races	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Mixed	222	278	500	1	1	2	18	35	53	36	47	83	32	12	44	3	4	7	-	-	-	-	-	-
Race unascertained	78	78	156	-	-	-	4	11	15	11	10	21	17	4	21	-	-	-	-	-	-	-	-	-
Total	1,450	1,386	2,836	9	1	10	92	180	272	162	170	332	189	50	239	11	10	21	3	-	-	-	3	3



TABLE 16. — *Race of First Admissions, classified with Reference to Principal Psychoses, at Public Institutions for the Insane and McLean Hospital — Continued.*

	WITH OTHER BRAIN OR NERVOUS DISEASES.			ALCOHOLIC.			DUE TO DRUGS AND OTHER EXOGENOUS TOXINS.			WITH PELLAGRA.			WITH OTHER SOMATIC DISEASES.			MANIC- DEPRESSIVE.			INVOLUTION MELANCHOLIA.			DEMENTIA PRÆCOX.		
	Males.	Females.	Totals.	Males.	Females.	Totals.	Males.	Females.	Totals.	Males.	Females.	Totals.	Males.	Females.	Totals.	Males.	Females.	Totals.	Males.	Females.	Totals.	Males.	Females.	Totals.
African (black)	1	1	2	5	1	6	—	—	—	—	—	—	2	3	5	1	3	4	—	—	—	4	12	16
American Indian	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Armenian	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Bulgarian	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Chinese	—	—	—	1	—	1	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Cuban	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Dutch and Flemish	1	—	1	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
East Indian	3	5	8	18	—	18	1	3	4	—	—	—	3	12	15	29	35	64	6	8	14	43	51	94
English	—	—	—	2	—	2	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Finnish	2	2	4	17	2	19	—	—	—	—	—	—	3	3	6	10	12	22	1	4	5	18	34	52
French	1	—	1	3	—	3	1	—	1	—	—	—	3	2	5	5	7	12	1	3	4	5	4	9
German	1	—	1	—	—	—	—	—	—	—	—	—	1	—	1	1	—	—	—	—	—	9	2	11
Greek	3	1	4	1	—	1	—	—	—	—	—	—	1	—	1	6	8	14	2	—	2	16	8	24
Hebrew	3	1	4	66	24	90	2	1	3	1	1	2	6	16	22	30	41	71	6	20	26	52	87	139
Irish	5	4	9	10	—	10	—	—	—	—	—	—	4	3	7	8	15	23	1	1	2	18	14	32
Italian	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Japanese	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Lithuanian	—	—	—	9	—	9	—	—	—	—	—	—	1	—	1	—	—	—	—	—	—	9	5	14
Magyar	—	—	—	1	—	1	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Mexican	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Pacific Islander	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Portuguese	1	—	1	—	—	—	1	—	1	—	—	—	—	1	1	2	1	3	—	1	1	9	5	14
Roumanian	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	7	—	7
Scandinavian	—	—	—	3	—	3	—	—	—	—	—	—	—	2	2	4	5	9	1	2	3	5	5	10
Scotch	—	—	—	2	—	2	—	—	—	—	—	—	2	4	6	7	10	12	—	—	—	22	13	35
Slavonic	1	—	1	31	—	31	—	—	—	—	—	—	1	1	2	7	5	12	—	—	—	—	3	3
Spanish	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Spanish American	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Syrian	2	—	2	—	—	—	—	—	—	—	—	—	—	—	—	2	—	2	—	—	—	5	2	7
Turkish	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	2	1	3	—	—	—	2	—	2
Welsh	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
West Indian	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	1	—	1
Other specific races	2	5	7	—	—	—	1	2	3	—	—	—	4	18	22	14	27	41	—	10	14	47	56	103
Mixed	2	—	2	6	—	6	1	1	2	1	—	—	5	6	11	6	8	14	—	—	—	6	15	21
Race unascertained	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	24	22	46	192	30	222	7	8	15	1	1	2	34	71	105	132	182	314	20	54	74	292	326	618

TABLE 16. — Race of First Admissions, classified with Reference to Principal Psychoses, at Public Institutions for the Insane and McLean Hospital — Concluded.

	PARANOIA AND PARANOID CONDITIONS.			EPILEPTIC PSYCHOSES.			PSYCHONEUROSES AND NEUROSES.			WITH PSYCHOPATHIC INFERIORITY.			WITH MENTAL DEFICIENCY.			UNDIAGNOSED.			WITHOUT PSYCHOSES.	
	Males.	Females.	Totals.	Males.	Females.	Totals.	Males.	Females.	Totals.	Males.	Females.	Totals.	Males.	Females.	Totals.	Males.	Females.	Totals.	Males.	Females.
African (black)			3			3														
American Indian			3	1		1			1				1							
Armenian	1		1																	
Bulgarian																				
Chinese																				
Cuban																				
Dutch and Flemish																				
East Indian	5	3	8	13	7	20	1	8	9	8	2	10	10	7	17	8	8	16	6	12
English																				
Finnish																				
French	2		2	3	3	6	2	2	4	1	1	2	4	1	5	9	8	17	4	7
German	1		1	1		1														
Greek	1	1	2	1	2	3	1	2	3	3	3	6	1	1	2	1	1	2	4	1
Hebrew																				
Irish	7	1	8	5	3	8	3	6	9	2	1	3	8	6	14	17	18	35	7	10
Italian	1	3	4	1	3	4	2	2	4	1	1	2	1	1	2	5	2	7	2	4
Japanese																				
Lithuanian	1	1	2	1	1	2	1	2	3	1	1	2				5	1	6		
Magyar	1	1	2	1	1	2														
Mexican																				
Pacific Islander																				
Portuguese	1		1	1	1	2							2		2	2	3	6		
Roumanian																				
Scandinavian	1	1	2																	
Scotch	1	2	3	2	2	4	1	1	2	1	1	2	3	2	5	11	3	14	6	1
Slavonic	1	1	2	1	1	2														
Spanish																				
Spanish-American																				
Syrian																				
Turkish																				
Welsh																				
West Indian																				
Other specific races																				
Mixed	3	8	11	3	1	4	3	5	8	2	3	5	4	6	10	15	26	41	13	23
Race unascertained	1	2	3				1	1	2		1	3	1	4	5	6	9	15	8	12
Totals	26	46	72	33	28	61	10	27	37	20	15	35	40	33	73	99	90	195	54	87

TABLE 17. — Age of First Admissions, classified with Reference to Principal Psychoses, at Public Institutions for the Insane and McLean Hospital.

	TOTALS.			UNDER 15.			15-19.			20-24.			25-29.			30-34.			35-39.		
	Males.	Females.	Totals.	Males.	Females.	Totals.	Males.	Females.	Totals.	Males.	Females.	Totals.	Males.	Females.	Totals.	Males.	Females.	Totals.	Males.	Females.	Totals.
1. Traumatic	9	1	10										1		2	1		1			
2. Senile	92	180	272										1		1						
3. With cerebral arteriosclerosis	162	170	332										1		2						
4. General paralysis	189	50	239	1	1	2	1	1	2	2	2	4	1	1	5	18	3	21	32	6	38
5. With cerebral syphilis	11	10	21															2	3		3
6. With Huntington's chorea	3	3	6																		
7. With brain tumor		3	3																		
8. With other brain or nervous diseases	24	22	46	2	1	3	3		3	2	1	3	2	1	3	1	1	2	1	2	3
9. Alcoholic	192	30	222							3		3	10	2	12	26	3	29	32	1	33
10. Due to drugs and other exogenous toxins	7	8	15													1	2	3	1	3	4
11. With pellagra	1	1	2																		
12. With other somatic diseases	34	71	105	1		5	1	4	5	1	0	10	3	10	13		7		2	10	12
13. Manic-depressive	132	182	314	1	2	3	9	10	19	17	23	40	8	26	34	12	30	42	16	28	44
14. Involution melancholia	20	51	71																		
15. Dementia praecox	292	618	910	1	1	2	30	20	50	63	40	103				54	47	101	42	61	103
16. Paranoia or paranoid conditions	26	46	72	1	1	2	1	1	2	1	1	2	2	1	3	7	2	9	5	5	5
17. Epileptic psychoses	33	28	61	5	1	6	1	7	12	3	3	6	4	6	10	7	2	9	2	1	3
18. Psychoneuroses and neuroses	9	27	36				1	2	3	2	2	4	1	4	5	2	4	4	2	4	6
19. With psychopathic inferiority	21	15	36		1	1	1	1	2	1	1	2	1	2	3	2	2	4	2	3	3
20. With mental deficiency	40	33	73				3	5	8	8	5	13	7	5	12	12	6	13	8	6	14
21. Undiagnosed	99	96	195	1		1	1	7	8	11	9	20	9	8	17	17	11	23	12	11	23
22. Without psychoses	51	33	84	1	1	2	7	5	12	12	8	20	4	4	8	5	5	10	8	2	10
Total.	1,450	1,386	2,836	12	7	19	65	58	123	130	100	230	123	127	250	149	127	276	162	146	308

TABLE 17. — Age of First Admissions, classified with Reference to Principal Psychoses, etc. — Concluded.

	40-44.			45-49.			50-54.			55-59.			60-64.			65-69.			70 AND OVER.			UNASCERTAINED.	
	Males.	Females.	Totals.	Males.	Females.	Totals.	Males.	Females.	Totals.	Males.	Females.	Totals.	Males.	Females.	Totals.	Males.	Females.	Totals.	Males.	Females.	Totals.	Males.	Females.
1. Traumatic	2	1	2	2	1	2	1	1	1	2	6	8	1	1	1	1	1	1	1	1	1	1	1
2. Senile	—	1	1	2	2	2	3	6	9	16	13	29	10	12	22	16	27	43	64	134	198	—	—
3. With cerebral arteriosclerosis	—	1	1	2	2	2	3	6	9	16	13	29	35	24	59	42	21	63	63	103	166	—	—
4. General paralysis	35	9	44	43	12	55	18	5	23	16	6	22	10	4	14	6	2	8	3	1	4	—	—
5. With cerebral syphilis	2	1	3	2	1	3	1	2	3	1	3	4	—	1	1	—	—	—	1	—	—	—	—
6. With Huntington's chorea	—	—	—	1	1	2	1	1	2	—	—	—	—	—	—	—	—	—	—	—	—	—	—
7. With brain tumor	—	—	—	1	1	2	1	1	2	—	—	—	—	—	—	—	—	—	—	—	—	—	—
8. With other brain or nervous diseases	3	4	7	3	3	6	4	3	7	—	1	1	1	1	2	1	1	2	1	3	4	—	—
9. Alcoholic	39	6	45	25	9	34	20	4	24	14	1	15	13	1	14	6	—	6	4	—	—	—	—
10. Due to drugs and other exogenous toxins	—	1	1	1	1	2	1	1	2	—	—	—	2	2	—	—	—	—	—	—	—	—	—
11. With pellagra	—	1	1	3	4	7	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
12. With other somatic diseases	1	1	2	3	4	7	1	5	6	4	4	8	4	5	9	4	4	8	9	3	12	—	—
13. Manic-depressive	13	15	28	14	16	30	16	15	31	10	10	20	7	5	12	6	2	8	4	—	—	—	—
14. Involution melancholia	3	11	14	4	10	14	1	19	20	9	6	15	2	2	4	—	—	3	4	1	4	—	—
15. Dementia precox	18	31	49	10	27	37	8	22	30	1	12	13	1	1	2	1	1	2	1	1	1	—	—
16. Paranoia or paranoid conditions	1	7	8	6	7	13	5	11	16	5	5	11	6	6	12	1	1	2	1	1	1	—	—
17. Epileptic psychoses	5	2	7	2	2	4	4	1	5	—	2	2	—	1	1	2	—	2	—	—	—	—	—
18. Psychoneuroses and neuroses	—	2	2	2	4	6	1	3	4	—	—	—	—	—	—	—	—	—	—	—	—	—	—
19. With psychopathic inferiority	4	1	5	1	1	2	2	2	4	—	—	—	—	2	2	—	—	1	1	—	—	—	—
20. With mental deficiency	11	16	27	8	9	17	9	9	18	6	8	14	3	4	7	5	3	8	4	4	8	1	1
21. Undiagnosed	1	1	2	6	2	8	2	2	4	—	—	—	3	—	3	1	—	1	3	—	—	—	—
22. Without psychoses	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	139	117	256	136	109	245	98	114	212	91	84	175	93	77	170	93	67	160	158	252	410	1	2



TABLE 18. — Degree of Education, classified with Reference to Principal Psychoses, at Public Institutions for the Insane and McLean Hospital.

	TOTALS.		ILLITERATE.		READS AND WRITES.		COMMON SCHOOL.		HIGH SCHOOL.		COLLEGE.		UNASCR-TAINED.	
	Males.	Females.	Males.	Females.	Males.	Females.	Males.	Females.	Males.	Females.	Males.	Females.	Males.	Females.
	Totals.	Totals.	Totals.	Totals.	Totals.	Totals.	Totals.	Totals.	Totals.	Totals.	Totals.	Totals.	Totals.	Totals.
1. Traumatic . . . . .	9	1	1	1	—	—	6	1	2	—	—	—	—	—
2. Senile . . . . .	92	180	8	30	23	25	45	97	17	4	—	—	12	19
3. With cerebral arteriosclerosis . . . . .	162	170	332	22	31	31	92	79	13	4	—	—	16	17
4. General paralysis . . . . .	189	50	239	11	22	6	120	34	18	7	—	—	14	1
5. With cerebral syphilis . . . . .	11	10	21	5	2	2	6	5	4	8	—	—	15	15
6. With Huntington's chorea . . . . .	3	—	—	—	2	2	1	—	—	—	—	—	2	2
7. With brain tumor . . . . .	—	3	—	—	2	2	—	—	—	—	—	—	—	—
8. With other brain or nervous diseases . . . . .	24	22	46	—	—	—	—	—	—	—	—	—	—	—
9. Alcoholic . . . . .	192	30	222	3	4	2	13	16	—	—	—	—	—	—
10. Due to drugs and other exogenous toxins . . . . .	—	—	29	5	45	6	100	16	3	5	—	—	5	1
11. With pellagra . . . . .	34	71	105	—	—	—	5	7	8	—	—	—	2	7
12. With other somatic diseases . . . . .	132	182	314	7	22	19	61	100	1	—	—	—	5	1
13. Manic-depressive . . . . .	20	54	74	1	2	7	12	30	2	—	—	—	3	8
14. Involution melancholia . . . . .	232	325	617	26	45	39	156	199	48	2	—	—	9	12
15. Dementia praecox . . . . .	26	47	73	1	3	3	11	29	8	8	9	17	2	21
16. Paranoia or paranoic conditions . . . . .	33	28	61	6	3	8	11	22	3	2	2	2	3	5
17. Epileptic psychoses . . . . .	9	27	36	2	3	1	16	12	6	2	2	2	2	5
18. Psychoneuroses and neuroses . . . . .	21	15	36	—	2	1	4	18	3	1	1	1	—	—
19. With psychopathic inferiority . . . . .	40	33	73	8	7	1	10	11	4	1	—	—	—	—
20. With mental deficiency . . . . .	99	96	195	17	14	8	22	41	3	6	—	—	8	4
21. Undiagnosed . . . . .	54	33	87	14	20	11	31	52	9	—	—	—	12	20
22. Without psychoses . . . . .	54	33	87	3	10	5	34	20	2	3	3	—	2	4
Total . . . . .	1,450	1,386	2,836	131	260	182	771	781	151	56	33	89	81	169

TABLE 19. — *Environment, classified with Reference to Principal Psychoses, at Public Institutions for the Insane and McLean Hospital.*

	TOTAL.			URBAN.			RURAL.			UNASCERTAINED.		
	Males.	Females.	Totals.	Males.	Females.	Totals.	Males.	Females.	Totals.	Males.	Females.	Totals.
1. Traumatic . . . . .	9	1	10	8	1	9	1	-	1	-	-	-
2. Smile . . . . .	92	180	272	84	165	249	8	15	23	-	-	-
3. With cerebral arteriosclerosis . . . . .	162	170	332	142	157	299	20	13	33	-	-	-
4. General paralysis . . . . .	189	50	239	175	49	224	14	1	15	-	-	-
5. With cerebral syphilis . . . . .	11	10	21	10	8	18	-	2	2	1	-	1
6. With Huntington's chorea . . . . .	3	-	3	3	-	3	-	-	-	-	-	-
7. With brain tumor . . . . .	-	3	3	-	2	2	-	1	1	-	-	-
8. With other brain or nervous diseases . . . . .	24	22	46	23	22	45	1	1	2	-	-	-
9. Alcoholic . . . . .	192	30	222	181	29	210	11	1	12	-	-	-
10. Due to drugs and other exogenous toxins . . . . .	7	8	15	7	8	15	-	-	-	-	-	-
11. With pellagra . . . . .	1	2	3	1	1	2	-	-	-	-	-	-
12. With other somatic diseases . . . . .	34	71	105	31	63	94	3	8	11	-	-	-
13. Manic-depressive . . . . .	132	182	314	109	167	276	20	15	35	3	-	3
14. Involution melancholia . . . . .	20	34	54	17	30	47	3	4	7	-	-	-
15. Dementia precox . . . . .	232	326	558	257	286	543	31	38	69	5	1	6
16. Paranoia or paranoid conditions . . . . .	26	46	72	21	43	64	4	3	7	1	-	1
17. Epileptic psychoses . . . . .	33	28	61	31	26	57	2	2	4	-	-	-
18. Psychoneuroses and neuroses . . . . .	9	27	36	9	24	33	-	3	3	-	-	-
19. With psychopathic inferiority . . . . .	21	15	36	17	14	31	4	1	5	-	-	-
20. With mental deficiency . . . . .	40	33	73	36	31	67	4	2	6	-	-	-
21. Undiagnosed . . . . .	99	96	195	84	87	171	13	9	22	2	-	2
22. Without psychoses . . . . .	54	33	87	46	32	78	7	1	8	1	-	1
Total . . . . .	1,450	1,386	2,836	1,292	1,265	2,557	145	120	265	13	1	14

TABLE 20. — *Economic Condition, classified with Reference to Principal Psychoses, at Public Institutions for the Insane and McLean Hospital.*

	TOTAL.			DEPENDENT.			MARGINAL.			COMFORTABLE.			UNASCERTAINED.		
	Males.	Females.	Totals.	Males.	Females.	Totals.	Males.	Females.	Totals.	Males.	Females.	Totals.	Males.	Females.	Totals.
1. Traumatic	9	1	10	2	1	3	7	80	87	20	34	54	8	18	26
2. Senile	92	180	272	28	48	76	36	78	116	31	25	56	7	13	20
3. With cerebral arteriosclerosis	162	170	332	42	54	96	82	26	108	24	10	34	10	3	13
4. General paralysis	189	50	239	31	11	42	124	8	132	1	1	2	—	—	—
5. With cerebral syphilis	11	10	21	2	1	3	8	—	8	1	—	1	—	—	—
6. With Huntington's chorea	3	—	3	2	—	2	1	—	1	—	—	—	—	—	—
7. With brain tumor	—	3	3	—	—	—	—	—	—	—	—	—	—	—	—
8. With other brain or nervous diseases	24	22	46	5	5	10	17	12	29	2	4	6	—	1	1
9. Alcoholic	192	30	222	14	4	18	143	19	162	31	3	34	4	4	8
10. Due to drugs and other exogenous toxins	7	8	15	1	1	2	4	6	10	1	1	2	1	1	1
11. With pellagra	1	1	2	—	—	—	1	—	1	—	—	—	—	—	—
12. With other somatic diseases	34	71	105	7	10	17	16	36	52	6	22	28	5	3	8
13. Manic-depressive	132	182	314	18	11	29	83	112	195	30	52	82	1	7	8
14. Involution melancholia	20	54	74	3	12	15	15	33	48	1	9	10	1	1	1
15. Dementia præcox	292	326	618	51	36	87	187	230	417	49	54	103	5	6	11
16. Paranoia or paranoid conditions	26	46	72	4	4	8	14	33	47	7	7	14	1	2	3
17. Epileptic psychoses	33	28	61	6	6	12	20	17	37	4	3	7	3	2	5
18. Psychoneuroses and neuroses	9	27	36	—	8	8	9	15	24	—	4	4	—	—	—
19. With psychopathic inferiority	21	15	36	5	3	8	16	11	27	1	1	2	1	—	—
20. With mental deficiency	40	33	73	11	10	21	26	18	44	1	3	4	2	2	4
21. Undiagnosed	99	96	195	16	7	23	53	57	110	28	28	56	2	4	6
22. Without psychoses	54	33	87	3	12	15	40	19	59	11	2	13	—	—	—
Total	1,450	1,836	2,836	251	244	495	902	811	1,713	247	265	512	50	66	116

TABLE 21. — Use of Alcohol, classified with Reference to Principal Psychoses, at Public Institutions for the Insane and McLean Hospital.

	TOTAL.			ABSTINENT.			TEMPERATE.			INTERTEMPERATE.			UNASCERTAINED.		
	Males.	Females.	Totals.	Males.	Females.	Totals.	Males.	Females.	Totals.	Males.	Females.	Totals.	Males.	Females.	Totals.
1. Traumatic . . . . .	9	1	10	2	1	3	4	—	4	3	—	3	—	—	—
2. Senile . . . . .	92	180	272	28	116	144	31	34	65	17	27	44	16	27	43
3. With cerebral arteriosclerosis . . . . .	162	170	332	54	120	174	69	36	105	25	7	32	14	7	21
4. General paralysis . . . . .	189	50	239	41	22	63	95	15	110	40	10	50	13	3	16
5. With cerebral syphilis . . . . .	11	10	21	2	6	8	7	2	9	2	1	3	—	1	1
6. With Huntington's chorea . . . . .	3	—	3	1	—	1	1	—	1	1	—	1	—	—	—
7. With brain tumor . . . . .	—	3	3	—	2	2	—	1	1	—	—	—	—	—	—
8. With other brain or nervous diseases . . . . .	24	22	46	13	17	30	6	2	8	4	2	6	1	1	2
9. Alcoholic . . . . .	192	30	222	2	3	5	3	1	4	187	26	213	1	1	2
10. Due to drugs and other exogenous toxins . . . . .	7	8	15	—	—	—	—	—	—	2	2	4	—	2	2
11. With pellagra . . . . .	1	1	2	—	—	—	—	—	—	—	—	—	—	—	—
12. With other somatic diseases . . . . .	34	71	105	11	53	64	16	13	29	6	1	7	1	5	6
13. Manic-depressive . . . . .	132	182	314	50	126	176	60	34	94	16	2	18	6	20	26
14. Involution melancholia . . . . .	20	54	74	8	41	49	8	10	18	4	4	8	—	3	3
15. Dementia præcox . . . . .	292	326	618	129	230	359	113	69	182	32	4	36	18	23	41
16. Paranoia or paranoid conditions . . . . .	26	46	72	9	24	33	11	15	26	3	—	3	3	7	10
17. Epileptic psychoses . . . . .	33	28	61	17	23	40	9	3	12	5	1	6	2	1	3
18. Psychoneuroses and neuroses . . . . .	9	27	36	6	21	27	1	6	7	1	—	1	1	—	1
19. With psychopathic inferiority . . . . .	21	15	36	10	13	23	6	1	7	3	—	3	2	1	3
20. With mental deficiency . . . . .	40	33	73	20	25	45	16	5	21	3	—	3	1	3	4
21. Undiagnosed . . . . .	99	96	195	22	44	66	42	33	75	17	5	22	18	14	32
22. Without psychoses . . . . .	54	33	87	22	18	40	20	10	30	10	3	13	2	2	4
Total . . . . .	1,450	1,386	2,836	447	907	1,354	522	292	814	382	66	448	99	121	220





TABLE 23. — *Psychoses of Readmissions at Public Institutions for the Insane and McLean Hospital.*

PSYCHOSES.	Males.	Females.	Totals.
1. Traumatic psychoses . . . . .	1	—	1
2. Senile psychoses . . . . .	10	12	22
3. Psychoses with cerebral arteriosclerosis . . . . .	10	18	28
4. General paralysis . . . . .	22	4	26
5. Psychoses with cerebral syphilis . . . . .	3	2	5
6. Psychoses with Huntington's chorea . . . . .	—	—	—
7. Psychoses with brain tumor . . . . .	—	—	—
8. Psychoses with other brain or nervous diseases . . . . .	—	2	2
9. Alcoholic psychoses . . . . .	45	4	49
10. Psychoses due to drugs and other exogenous toxins . . . . .	2	5	7
11. Psychoses with pellagra . . . . .	—	1	1
12. Psychoses with other somatic diseases . . . . .	6	5	11
13. Manic-depressive psychoses . . . . .	89	143	232
14. Involution melancholia . . . . .	5	9	14
15. Dementia præcox . . . . .	122	123	245
16. Paranoia and paranoid conditions . . . . .	6	10	16
17. Epileptic psychoses . . . . .	10	8	18
18. Psychoneuroses and neuroses . . . . .	3	7	10
19. Psychoses with psychopathic personality . . . . .	10	7	17
20. Psychoses with mental deficiency . . . . .	12	13	25
21. Undiagnosed psychoses . . . . .	19	21	40
22. Without psychosis . . . . .	8	9	17
Total . . . . .	383	403	786

TABLE 24. — Discharge of Patients, classified with Reference to Principal Psychoses and Condition on Discharge, at Public Institutions for the Insane and McLean Hospital.

	TOTAL.			RECOVERED.			IMPROVED.			UNIMPROVED.			WITHOUT PSYCHOSES.		
	Males.	Females.	Totals.	Males.	Females.	Totals.	Males.	Females.	Totals.	Males.	Females.	Totals.	Males.	Females.	Totals.
1. Traumatic	6	—	6	2	—	2	3	—	3	1	—	1	—	—	—
2. Senile	17	28	45	—	—	—	10	12	22	7	16	23	—	—	—
3. With cerebral arteriosclerosis	21	22	43	—	—	—	15	17	32	6	5	11	—	—	—
4. General paralysis	42	8	50	—	—	—	19	5	24	3	3	6	—	—	—
5. With cerebral syphilis	5	5	10	—	—	—	3	4	7	2	1	3	—	—	—
6. With Huntington's chorea	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
7. With brain tumor	1	—	1	—	—	—	—	—	—	1	—	1	—	—	—
8. With other brain or nervous diseases	15	4	19	—	—	—	9	3	12	6	1	7	—	—	—
9. Alcoholic	130	35	165	52	7	59	71	23	94	7	5	12	—	—	—
10. Due to drugs and other exogenous toxins	7	9	16	3	4	7	4	1	5	—	—	—	—	—	—
11. With pellagra	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
12. With other somatic diseases	20	37	57	9	13	22	11	20	31	—	—	—	—	—	—
13. Manic depressive	175	251	426	58	94	152	107	134	241	10	23	33	—	—	—
14. Involution melancholia	18	45	63	2	8	10	11	33	44	5	9	14	—	—	—
15. Dementia præcox	288	273	561	5	9	14	185	199	384	98	65	163	—	—	—
16. Paranoia or paranoid conditions	9	19	28	—	1	1	6	16	22	3	2	5	—	—	—
17. Epileptic psychoses	21	12	33	—	—	—	12	4	16	8	8	16	1	—	—
18. Psychoneuroses and neuroses	19	26	45	1	3	4	15	19	34	4	4	8	—	—	—
19. With constitutional psychopathic inferiority	20	20	40	6	6	12	9	14	23	4	6	10	—	—	—
20. With mental deficiency	33	29	62	4	—	4	20	22	42	9	7	16	—	—	—
21. Undiagnosed	56	65	121	4	6	10	39	34	73	11	15	26	—	—	—
22. Not insane	86	44	130	1	—	1	—	—	—	—	—	—	81	42	123
Total	989	930	1,919	147	145	292	549	561	1,110	205	171	376	82	42	124





[illegible]



Chronic pericarditis	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	
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TABLE 27. — Total Duration of Hospital Life of Patients dying in Public Institutions for the Insane and McLean Hospital.

	TOTAL.			MONTHS.												YEARS.								
	Males.	Females.	Totals.	LESS THAN 1.			1-3.			4-7.			8-12.			1-2.			3-4.			5-10.		
				Males.	Females.	Totals.	Males.	Females.	Totals.	Males.	Females.	Totals.	Males.	Females.	Totals.	Males.	Females.	Totals.	Males.	Females.	Totals.			
1. Traumatic . . . . .	1	—	1	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
2. Senile . . . . .	90	155	245	9	17	26	20	32	52	11	14	25	4	20	24	26	29	55	9	15	24	6	20	26
3. With cerebral arteriosclerosis . . . . .	131	139	270	40	33	73	27	35	62	17	23	40	7	10	17	17	19	36	8	11	19	11	4	15
4. General paralysis . . . . .	186	56	242	24	6	30	19	8	27	30	12	42	21	3	24	61	14	75	19	7	26	8	6	14
5. With cerebral syphilis . . . . .	4	6	10	—	—	—	—	1	1	1	2	3	—	—	—	2	1	3	1	1	1	1	1	2
6. With Huntington's chorea . . . . .	2	—	2	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
7. With brain tumor . . . . .	1	4	5	—	1	1	1	2	2	1	1	2	—	—	—	—	—	—	—	—	—	—	—	—
8. With other brain or nervous diseases . . . . .	6	6	12	4	1	5	4	1	3	5	—	5	1	1	2	5	2	7	1	1	2	12	2	14
9. Alcoholic . . . . .	51	10	61	8	2	10	2	1	3	5	—	5	1	1	1	1	2	7	1	1	2	12	2	14
10. Due to drugs and other exogenous toxins . . . . .	2	1	3	2	—	2	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
11. With pellagra . . . . .	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
12. With other somatic diseases . . . . .	17	31	48	10	21	31	6	4	10	1	2	3	2	2	4	8	8	16	2	5	7	2	11	13
13. Manic-depressive . . . . .	35	60	95	7	13	20	3	2	5	4	8	12	2	2	4	1	1	2	1	1	2	2	4	4
14. Involution melancholia . . . . .	17	24	41	—	4	4	6	4	7	13	4	3	7	1	6	10	15	25	14	28	42	24	38	62
15. Dementia praecox . . . . .	118	159	277	5	8	13	1	4	5	3	4	7	6	1	7	10	15	25	14	28	42	24	38	62
16. Paranoia or paranoid conditions . . . . .	3	5	8	—	—	—	—	—	—	—	1	1	1	1	1	1	1	1	1	1	1	1	1	1
17. Epileptic psychoses . . . . .	36	26	62	—	2	2	—	2	2	2	1	1	3	2	5	7	4	11	5	5	10	8	5	13
18. Psychoneuroses and neuroses . . . . .	—	3	3	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
19. With constitutional psychopathic inferiority . . . . .	4	1	5	—	—	—	—	—	—	—	—	—	—	—	—	1	—	1	—	1	—	1	—	1
20. With mental deficiency . . . . .	13	15	28	1	1	2	1	—	—	—	—	—	—	—	—	3	2	5	—	—	2	3	7	10
21. Undiagnosed . . . . .	21	18	39	7	3	10	2	1	3	—	1	1	3	1	4	4	6	10	—	—	1	1	2	2
22. Not insane . . . . .	—	3	3	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total . . . . .	738	722	1,460	117	112	229	87	104	191	78	72	150	47	42	89	147	104	251	62	78	140	81	103	184

TABLE 27. — *Total Duration of Hospital Life of Patients dying in Public Institutions for the Insane and McLean Hospital — Concluded.*

	YEARS.																	
	10-15.			15-20.			20-25.			25-30.			30-40.			40-50.		
	Males.	Females.	Totals.	Males.	Females.	Totals.	Males.	Females.	Totals.	Males.	Females.	Totals.	Males.	Females.	Totals.	Males.	Females.	Totals.
1. Traumatic	1	2	3	3	2	5	1	2	3	1	1	2	1	1	2	1	2	3
2. Senile	2	3	5	1	1	2	1	1	2	1	1	2	1	1	2	1	2	3
3. With cerebral arteriosclerosis	2	2	4	2	2	4	2	2	4	2	2	4	2	2	4	2	2	4
4. General paralysis	6	-	6	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
5. With cerebral syphilis	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
6. With Huntington's chorea	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
7. With brain tumor	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
8. With other brain or nervous diseases	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
9. Alcoholic	7	-	7	3	1	4	7	-	7	1	1	2	1	1	2	1	1	2
10. Due to drugs and other exogenous toxins	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
11. With pellagra	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
12. With other somatic diseases	3	5	8	2	2	4	2	4	6	2	4	6	2	4	6	2	4	6
13. Manic-depressive	1	2	3	3	3	6	3	3	6	2	2	4	2	2	4	2	2	4
14. Involution melancholia	17	18	35	13	19	32	21	22	43	1	1	2	1	1	2	2	3	5
15. Dementia precox	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
16. Paranoia or paranoid conditions	4	1	5	3	1	4	5	3	8	1	1	2	1	1	2	1	1	2
17. Epileptic psychoses	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
18. Psychoneuroses and neuroses	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
19. With constitutional psychopathic inferiority	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
20. With mental deficiency	-	2	2	1	1	2	2	2	4	2	2	4	2	2	4	2	2	4
21. Undiagnosed	-	1	1	1	1	2	1	1	2	2	2	4	2	2	4	2	2	4
22. Not insane	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Total	37	35	72	32	29	61	46	37	83	1	1	2	1	2	3	2	3	5

## DIRECTORY OF INSTITUTIONS.

### PUBLIC.

#### WORCESTER STATE HOSPITAL (opened 1833):—

Trustees: Edward F. Fletcher, Worcester, Chairman; Miss Caroline M. Caswell, Boston, clerk; Dr. Wm. J. Delehanty, Worcester; Luther C. Greenleaf, Boston; John G. Perman, D.D.S., Worcester; Howard D. Cowee, Worcester; Mrs. Anna C. Tatman, Worcester.

Regular meeting: Second Tuesday of each month.

Superintendent: William A. Bryan, M.D.

Assistant Superintendent: Ransom H. Sartwell, M.D.

Assistant Physicians: Michael J. O'Meara, M.D.; Leon E. Duval, M.D.; George A. Gaunt, M.D.; Mervin Fossner, M.D.; Manley B. Root, M.D.; John Saucier, M.D.; Henry P. Weyler, M.D.; John P. Powers, M.D.; Paul DeCary, M.D.

Pathologist: Clarence A. Whitcomb, M.D.

Dentist: Carl A. Oberg, D.M.D.

Steward: Herbert W. Smith.

Treasurer: Jessie M. D. Hamilton.

Visiting days: Tuesdays, Saturdays, Sundays, 10-11 A.M., 1-4 P.M.

Staff Meetings: Daily.

Location: Belmont Street, Worcester, one and a half miles from Union Station (Boston & Albany; New York, New Haven & Hartford; and Boston & Maine).

The Summer Street Department is located in the building formerly known as the Worcester State Asylum, on Summer Street, Worcester, about five minutes' walk from the Union Station (Boston & Albany; New York, New Haven & Hartford; and Boston & Maine).

Correspondence relating to patients should be addressed to the Superintendent, Worcester State Hospital, Worcester, Mass.

Correspondence intended for the Steward or Treasurer of the Hospital should be addressed to the Worcester State Hospital, Worcester, Mass.

#### TAUNTON STATE HOSPITAL (opened 1854):—

Trustees: Arthur B. Reed, North Abington, chairman; Mrs. Elizabeth C. M. Gifford, Cambridge, secretary; Simeon Borden, Fall River; Charles C. Cain, Jr., Taunton; Julius Berkowitz, New Bedford; Mrs. Margaret C. Smith, Taunton; Philip E. Brady, Attleboro.

Regular meeting: Second Thursday of each month.

Superintendent: Ransom A. Greene, M.D.

Assistant Superintendent: Roderick B. Dexter, M.D.

Senior Assistant Physicians: John J. Thompson, M.D.; Fannie C. Haines, M.D.

Assistant Physicians: Samuel Tartakoff, M.D.; Charles A. DeCary, M.D.; Clarence M. Kelley, M.D.; Rodolphe M. Richard, M.D.

Pathologist: Wilfred H. Baines, M.D.

Dentist: George A. Harris, D.D.S.

Treasurer: Frank W. Boynton.

Steward: Stephen F. Tracy.

Visiting days: Every day.

Staff meetings: Daily, 8.15 A.M.

Location: Hodges Avenue, Taunton, one mile from railroad station (New York, New Haven & Hartford).

#### NORTHAMPTON STATE HOSPITAL (opened 1858):—

Trustees: Luke Corcoran, M.D., Springfield, Chairman; Joseph W. Stevens, Greenfield, Secretary; Miss Caroline A. Yale, Northampton; Mrs. Emily N. Newton, Wellesley; Harry L. Howard, Hatfield; Edward C. Gere, Northampton; Charles W. King, Chicopee Falls.



Regular meeting: first Thursday of each month.

Superintendent: John A. Houston, M.D.

Assistant physicians: Edward W. Whitney, M.D.; Angela Bober, M.D.;  
Harriet W. Whitney, M.D.; Elizabeth Thomas, M.D.

Dentist: Lucien H. Harris, D.D.S.

Treasurer: Eva L. Graves.

Steward: Frank W. Smith.

Visiting days: for relatives and friends Tuesdays, Fridays, and Saturdays, on which days members of the medical staff are in attendance to consult with visitors; but if impossible to come on those days, visitors may come on any day but Sunday, which is visiting day only in emergency cases.

Location: Prince Street ("Hospital Hill"), Northampton, one and one-half miles from the railroad station, reached by taxicab (Massachusetts Central and Connecticut River branches of Boston & Maine; and New Haven and Holyoke, Northampton branches of the New York, New Haven and Hartford).

#### DANVERS STATE HOSPITAL (opened 1878): —

Post office and railroad station, Hathorne (Boston & Maine).

Trustees: S. Herbert Wilkins, Salem, chairman; Samuel Cole, Beverly; James F. Ingraham, Peabody; Arthur C. Nason, M.D., Newburyport; Louise M. Porter, Peabody; William W. Laws, Beverly; Anna P. Marsh, Danvers.

Regular meeting: second Thursday of each month.

Superintendent: John B. Macdonald, M.D.

Assistant Superintendent: Edgar Maule Blew, M.D.

Assistant Physicians: Guy C. Randall, M.D.; Otis F. Kelly, M.D.; H. Lincoln Chase, M.D.; Isadore Greene, M.D.; J. Charles Lapierre, M.D.; Jean C. Miller, M.D.; Chas. L. Clay, M.D.; Lillian G. Moulton, M.D.

Resident Dentist: Mesrop N. Mooradkianian.

Treasurer: Miss Gladys Leach.

Steward: Adam D. Smith.

Visiting days: every day.

Staff meeting: daily, 8.00 A.M.

Location: Maple and Newbury Sts., Danvers, one-quarter mile from railroad station.

#### WESTBOROUGH STATE HOSPITAL (opened 1886): —

Trustees: N. Emmons Paine, M.D., West Newton, Chairman; Miss Flora L. Mason, Taunton, secretary; Mr. Sewall C. Brackett, Boston; Mr. Thomas F. Dolan, Newton; Mr. Stanley F. McGarry, Grafton; Charles L. Nichols, M.D., Worcester; Mrs. Emily Young O'Brien, Brookline.

Regular meeting: second Thursday of each month.

Superintendent: Walter E. Lang, M.D.

Assistant superintendent: Vacancy.

Senior Assistant Physician: Frank J. Gale, M.D.

Assistant Physicians: Emma H. Fay, M.D.; Belle J. Allen, M.D.; William C. Gaebler, M.D.; Edgar C. Yerbury, M.D.

Pathologist: Lydia B. Pierce, M.D.

Dentist: Anthony B. Grady, D.D.S.

Steward: P. I. Wiley.

Treasurer: Carrie P. G. Nelson.

Visiting days: Every day.

Staff meetings: daily.

Location: Two and one-quarter miles from Westborough Station (Boston & Albany); one mile from Talbot station, (New York, New Haven & Hartford R.R.).

**BOSTON STATE HOSPITAL (opened 1839): —**

Trustees: Henry Lefavour, Boston, chairman; Mrs. Katherine G. Devine, South Boston, secretary; John A. Kiggen, Boston; William F. Whittemore, Boston; Charles B. Frothingham, M.D., Lynn; Mrs. Edna W. Dreyfus, Brookline; David M. Watchmaker, Boston.

Regular meeting: third Monday of each month.

Superintendent: James V. May, M.D.

Assistant Superintendent: Ermy C. Noble, M.D.

Senior assistant physicians: Mary E. Gill-Noble, M.D.; Edmund M. Pease, M.D.; Geneva Tryon, M.D.; John C. Lindsay, M.D.; Herbert E. Herrin, M.D.; Roy D. Halloran, M.D.

Assistant physicians: Anna E. Steffen, M.D.; Alberta S. B. Guibord, M.D. (School Clinic); Franklin I. Flagg, M.D.; Jacob Kasanin, M.D.

Dentist: Lawrence H. Stone, D.M.D.

Steward: Arthur E. Gilman.

Treasurer: Adeline J. Leary.

Visiting days: 2 to 4 P.M., daily.

Staff meetings are held four times a week.

Location: East Group, Harvard Street, Dorchester, near Blue Hill Avenue; West Group, Walk Hill Street, Dorchester; about one-half mile from railroad station; post office, Dorchester Center, 24.

**BOSTON PSYCHOPATHIC HOSPITAL (opened 1912):**

Trustees: William Healy, M.D., Boston, Chairman; Channing Frothingham, Jr., M.D., Boston; Allen W. Rowe, Ph.D., Boston; Mrs. Esther M. Andrews, Brookline; Mr. Charles F. Rowley, Boston; Hon. Wm. J. Sullivan, South Boston; Mrs. Helen B. Hopkins, Boston.

Trustees' Meeting: second Friday of each month.

Director: C. Macfie Campbell, M.D.

Chief Executive Officer: W. Franklin Wood, M.D.

Chief Medical Officer: Karl M. Bowman, M.D.

Executive Officer: Arthur E. Pattrell, M.D.

Medical Officer: Alfred H. Ehrenclou, M.D.

Assistant Medical Officers: Elizabeth I. Adamson, M.D.; Wm. Herman, M.D.; Arthur W. Young, M.D.

Medical Internes: Geo. E. Daniels, M.D.; Henry H. Hart, M.D.

Chief of Out-patient Department: Martin W. Peck, M.D.

Out-patient Medical Officer: Olive A. Cooper, M.D.

Out-patient Medical Officer: Charles B. Sullivan, M.D.

Chief of Psychological Laboratory: F. Lyman Wells, Ph.D.

Chief of Therapeutic Research: Harry C. Solomon, M.D.

Chief of Biochemical Laboratory: G. Philip Grabfield, M.D.

Assistant Pathologist: Mary Elizabeth Morse, M.D.

Roentgenologist: Whitman K. Coffin, M.D.

Chief of Social Service: Suzie L. Lyons.

Head Occupational Therapist: Ethelwyn F. Humphrey.

Superintendent of Nurses: Mary Fitzgerald.

Treasurer: Anne B. Kimball.

Staff meetings: every day, except Saturday.

Visiting days: every day, 2 to 4 P.M.

Location: 74 Fenwood Road, near corner of Brookline Avenue.

**GRAFTON STATE HOSPITAL, formerly Worcester State Asylum (opened 1877):**

Trustees: Winslow P. Burhoe, Boston; Margaret A. Cashman, Newburyport, Secretary; Ernest L. Anderson, Worcester; Frank B. Hall, Worcester, Chairman; Francis Prescott, Grafton; Flora M. Cangiano, Hingham; Enos H. Bigelow, M.D., Framingham.

Superintendent: Harlan L. Paine, M.D.

Assistant Superintendent: H. L. Horsman, M.D.

Assistant Physicians: Mary Johnson, M.D.; H. Wilbur Smith, M.D.; Buell L. Ashmore, M.D.; James L. McAuslan, M.D.; T. Roland Ekwall, M.D.; Chas. E. LaFleur, M.D.

Treasurer: Susie G. Warren.

Steward: John McRae.

Visiting surgeon: Lemuel F. Woodward, M.D.

Dentist: George O. Tessier, D.M.D.

Visiting days, for relatives or friends, every day; for the general public, every day except Sunday.

Location: The hospital is situated on the main line of the Boston and Albany Railroad, between Worcester and Westborough, about eight miles from Worcester, and can be reached by trolley from Worcester or from the Westborough or North Grafton stations of the Boston & Albany Railroad, or from the Lyman Street crossing of the Boston & Worcester electric cars. Correspondence relating to patients at the Grafton Hospital should be addressed to the Superintendent, Grafton State Hospital, North Grafton, Mass.

#### MEDFIELD STATE HOSPITAL (opened 1896):—

Post Office, Harding: railroad station, Medfield Junction (New York, New Haven & Hartford Railroad).

Trustees: Walter Rapp, Brockton, chairman; Christian Lantz, Salem, secretary; Mrs. Carolyn B. Odell, Belmont; Eugene M. Carmen, Somerville; George O. Clark, M.D., Boston; Danforth W. Comins, Winchester; Mrs. Bessie Edwards, Westwood.

Regular meeting: second Thursday of each month.

Superintendent: Elisha H. Cohoon, M.D.

Assistant Superintendent: Winfred Overholser, M.D.

Assistant Physicians: George A. Troxell, M.D.; George E. Poor, M.D.; M. Alvord Gore, M.D.; Wm. T. Cluney, M.D.; Alexandria Ameer, M.D.; Arthur Berkowitz, M.D.

Dentist: Elton V. Faas, D.M.D.

Treasurer: Miss Josephine M. Baker.

Steward: Louis A. Hall.

Staff meetings: Every morning, except Sunday.

Location: Asylum Road, one mile from Medfield Junction railroad station.

#### GARDNER STATE COLONY (opened 1902):—

Post office, Gardner; railroad station, East Gardner.

Trustees: Frederick A. Washburn, M.D., Chairman; Mrs. Amie H. Coes, Worcester, secretary; Owen A. Hoban, Gardner; George N. Harwood, Barre; Mrs. Alice Miller Spring, Fitchburg; Thomas H. Shea, Fitchburg; Thomas R. P. Gibb, Belmont.

Regular meeting: first Friday occurring on or after the fourth day of each month.

Superintendent: Charles E. Thompson, M.D.

Assistant Superintendent: Arthur N. Ball, M.D.

Senior Assistant physician: Lonnie O. Farrar, M.D.

Assistant physician: Harry A. Schneider, M.D.

Dentist: Herman E. Danofsky, D.D.S.

Treasurer: Gertrude W. Perry.

Visiting days: every day at any hour, including Sundays and holidays.

Staff meetings: daily, 8-9 A.M.

Location: East Gardner, two minutes' walk from East Gardner railroad station.

FOXBOROUGH STATE HOSPITAL (opened 1893). Devoted exclusively to the care of the insane since June 1, 1914): —

Trustees: Claire H. Gurney, Wollaston, Chairman; Minna R. Mulligan, Natick, secretary; Thomas J. Scanlan, M.D., Boston; Isaac Heller, Boston; Maxime Lepine, Lowell; William H. Bannon, Foxborough; Charles A. Littlefield, Lynn.

Regular meeting: second Tuesday of each month.

Superintendent and Treasurer: Albert C. Thomas, M.D.

Senior assistant physicians: Ransom H. Sartwell, M.D.; Cornelia B. J. Schorer, M.D.; Wilmarth Y. Seymour, M.D.

Assistant physician: William Malamud, M.D. (pathology).

Visiting days: every day from 9 to 11 A.M. and 2 to 5 P.M.

Staff meetings: daily, except Sundays and holidays, at 8.30 A.M.

Location: one mile north of Foxborough Center.

MONSON STATE HOSPITAL (opened 1898): —

Post office and railroad station, Palmer (Boston & Albany).

Trustees: George A. Moore, M.D., Palmer, Chairman; Mrs. Mary B. Townsley, Springfield; William Jameson, Chicopee Falls; George D. Storrs, Ware; J. Ubalde Paquin, M.D., New Bedford; Mrs. Elizabeth Hormel, Roxbury; Henry K. Hyde, Ware, Secretary.

Regular meeting: first Thursday of each month.

Superintendent: Morgan B. Hodskins, M.D.

Assistant Superintendent: Earl K. Holt, M.D.

Senior Assistant Physicians: Donald J. MacLean, M.D.; Samuel O. Miller, M.D.

Assistant Physician: Chas. Kirkland, M.D.

Assistant Physician: Lucie G. Forrer, M.D.

Treasurer: Sarah E. Spalding.

Steward: Charles F. Simonds.

Visiting days: Every day.

Staff meetings: Every day, except Sundays and holidays, at 8.30 A.M.

Location: one mile from railroad station.

MASSACHUSETTS SCHOOL FOR THE FEEBLE-MINDED AT WALTHAM (opened 1848): —

Post office and railroad station, Waverley (Boston & Maine).

Trustees appointed by the Governor: Francis J. Barnes, M.D., Cambridge; Prof. Thomas N. Carver, Cambridge; Frederick H. Nash, Auburndale, Treasurer; Frank H. Stewart, Newton; Mrs. Helen C. Taylor, Newton.

Trustees appointed by the Corporation: Frank G. Wheatley, M.D., North Abington, President; Charles Francis Adams, Concord, Vice-president; Charles E. Ware, Fitchburg, secretary; Roger S. Warner, Boston; Francis H. Dewey, Worcester; Paul R. Withington, M.D., Milton.

Quarterly meeting: second Thursday of October, January, April and July.

Superintendent: Walter E. Fernald, M.D.

Assistant Superintendent: C. Stanley Raymond, M.D.

Assistant Physicians: Anna M. Wallace, M.D., Edith E. Woodill, M.D.; L. Maude Warren, M.D.; Mary T. Muldoon, M.D.; Esther S. B. Woodward, M.D.

Treasurer: Emily E. Guild.

Steward: John F. Donnell.

Visiting days, for the parents or friends of the patients — Wednesday, Thursday and Saturday afternoons, and the first Sunday of each month; for the general public, every day, except Sunday.

Staff meetings, daily, at 9 A.M.

Location: about one mile from Waverley station (Fitchburg Division, and Southern Division, Boston & Maine), or Boston Elevated from Harvard Square.



**WRENTHAM STATE SCHOOL (opened 1907): —**

Post office and railroad station, Wrentham.

Trustees, Albert L. Harwood, Newton, Chairman; Ellerton James, Nahant, Secretary; Patrick J. Lynch, Beverly; George W. Gay, M.D., Newton; Mrs. Mary Stewart Scott, Brookline; Herbert C. Parsons, Newton.

Regular meeting: first Thursday after the first Monday of each month.

Superintendent: George L. Wallace, M.D.

Senior Assistant Physicians: Mildred A. Libby, M.D.; Alice M. Patterson, M.D.; Neil A. Dayton, M.D.

Assistant Physicians: Genevieve Gustin, M.D.; Raymond A. Kinmouth, M.D.

Dentist: John A. Nash, D.M.D.

Treasurer: Sara M. Clayland.

Visiting days, every day.

Location: Emerald Street, Wrentham, one mile from railroad station (New York, New Haven & Hartford railroad).

Staff meetings: every day.

**BELCHERTOWN STATE SCHOOL (for feeble-minded; opened 1922): —**

Post office and railroad station — Belchertown, Mass. (Boston & Maine, and Central Vt. R.R.)

Trustees: Dr. Theodore S. Bacon, Springfield; Mr. John R. Callahan, Holyoke; Miss Frances E. Cheney, Springfield; Mrs. Henry F. Nash, Greenfield; Mr. Henry E. Dean, Worcester; Mr. F. A. Farrar, Northampton; Mr. J. A. Skinner, Holyoke.

Regular meeting: First Thursday of each month.

Superintendent: Geo. E. McPherson, M.D.

Senior Assistant Physician: Harvey M. Watkins, M.D.

Treasurer: Dr. McPherson.

Visiting days: Every day, 9 to 11 A.M., 1.30 to 4.30 P.M., and at other times by special permission.

Staff meetings: Daily, at 9 A.M.

Location: One-quarter mile from railroad station, on the state road to Holyoke, and one-half mile from the centre of the town.

**MENTAL WARDS, STATE INFIRMARY (opened 1866): —**

Post office, Tewksbury; railroad station, Baldwin (Western Division, Boston & Maine), Tewksbury Junction and Salem Junction (Southern Division, Boston & Maine).

Trustees: Galen L. Stone, Brookline, Chairman; Mrs. Nellie E. Talbot, Brookline, secretary; G. Forrest Martin, Lowell; Francis W. Anthony, M.D., Haverhill; Dennis D. Sullivan, Middleborough; Mrs. Mary E. Cogan, Stoneham; Walter F. Dearborn, M.D., Cambridge.

Regular meeting: usually first Tuesday of month.

Superintendent: John H. Nichols, M.D.

Assistant Superintendent and physician: George A. Peirce, M.D.

Assistant Physicians: Sherman Perry, M.D.; William T. Hanson, M.D.; Anna E. Barker, M.D.; George M. Sullivan, M.D.; Charles J. Carden, M.D.; Amanda Bray, M.D.; Moses J. Stone, M.D.; Charles L. Trickey, M.D.; James F. Lawler, M.D.

Dentist: Sidney P. Stone, M.D.

Visiting days: every day from 10 A.M. to 4 P.M.

Staff meetings, daily, at 8 A.M.

Location: about one-half mile from railroad and from electric cars. Automobile from Infirmary meets most of the trains.

**BRIDGEWATER STATE HOSPITAL (opened 1886, 1895): —**

Post office, State Farm; railroad station, Titicut (New York, New Haven and Hartford).

Supervision of Department of Correction, Sanford Bates, Commissioner.

Medical Director: Frank H. Carlisle, M.D.

Assistant Physicians: Daniel H. Arthur, M.D.; Ernest B. Adelman, M.D.; Solomon L. Skvirsky, M.D.

Visiting days: for relatives or friends of patients, every day; for the general public, every day, with the exception of Sundays and holidays.

Staff meetings: daily, at 10 A.M.

Location: one-quarter mile from railroad station.

THE HOSPITAL COTTAGES FOR CHILDREN, Baldwinsville (incorporated and opened 1882): —

President, Herbert S. Morley, Baldwinsville; Clerk, Robert N. Wallis, Fitchburg.

Trustees appointed by the Governor: H. S. Morley, Baldwinsville; George B. Dewson, Milton; Arthur H. Lowe, Fitchburg; J. K. Dexter, Springfield; Miss Edith H. Sears, Boston.

Trustees appointed by the Corporation: Gilman Waite, Baldwinsville, Mrs. Edward L. Greene, Fitchburg; Robert N. Wallis, Fitchburg; Frederick P. Stone, Otter River; Frederic A. Turner, Jr., Boston; Mrs. Arthur R. Smith, Leicester; G. W. Mackintire, Worcester; Dr. H. W. Page, Worcester; Dr. John G. Henry, Winchendon; Mrs. J. M. Lasell, Whitinsville; Mrs. Philip Weston, Pittsfield; Mrs. Paul M. Hubbard, Boston; George L. Clark, Worcester; Mrs. Edward W. Hutchins, Boston; William Woodward, Worcester.

Quarterly meeting, third Wednesday of January, April, July and October.

Superintendent and physician: Harold C. Arey, M.D.

Psychologist and assistant physician, Caroline A. Osborne, M.D.

Treasurer, U. Waldo Cutler.

Visiting days, every day except Sundays.

Location: Hospital Street, one mile from railroad station (Ware River branch, Boston & Albany; and Boston and Maine).

## PRIVATE.

FOR INSANE, EPILEPTICS AND PERSONS ADDICTED TO THE INTEMPERATE USE OF NARCOTICS OR STIMULANTS.

McLEAN HOSPITAL — for Nervous and Mental patients (opened 1818): —

Department of Massachusetts General Hospital Corporation.

Post office and railroad station, Waverley (Boston & Maine R.R.).

President: Henry P. Walcott, M.D., Cambridge.

Vice-president: David P. Kimball, Boston.

Treasurer: Charles H. W. Foster, Needham.

Secretary: Francis C. Gray, Esq., Boston.

Trustees appointed by the Governor: Joseph H. O'Neil, Boston; Mrs. Nathaniel Thayer, Boston; Thomas B. Gannett, Boston; Galen Stone, Boston.

Trustees appointed by the Corporation: George Wigglesworth, Esq., Boston, Chairman; Charles H. W. Foster, Needham; Nathaniel T. Kidder, Boston; William Endicott, Boston; John R. Macomber, Boston; Robert Homans, Esq., Boston; Algernon Coolidge, M.D.; Sewall H. Fessenden, Boston.

Regular meeting: usually at the office of the Treasurer, 50 State St., Boston, on Fridays at intervals of two weeks, beginning sixteen days after the first Wednesday in February.

Superintendent: Frederic H. Packard, M.D.

First Assistant Physician: Theodore A. Hoch, M.D.

Second Assistant Physician: Freeman A. Tower, M.D.

Assistant Physician: Sidney M. Bunker, M.D.

Assistant in Pathological Psychology: Helge Lundholm, Ph.D.

Chemist, Otto Folin, M.D.

Assistant in Pathological Chemistry: John C. Whitehorn, M.D.

Physiologist: Walter B. Cannon, M.D.

Assistance in Physiology: Clarence J. Campbell, M.D.

Junior Assistant Physician: Kenneth J. Tillotson, M.D.

Junior Assistant Physician: —

Staff meetings, regularly, Tuesdays and Thursdays, at 8.30 A.M.; irregularly on other days, at the same hour.

Location: Pleasant Street, one-third mile from railroad station.

BOURNEWOOD, George H. Torney, M.D., 300 South Street, Brookline. Railroad station, Bellevue (Dedham Division, New York, New Haven & Hartford). Fifteen minutes' walk. Carriage by previous arrangement.

CHANNING SANITARIUM, Donald Gregg, M.D., Wellesley Avenue, Wellesley.

HERBERT HALL HOSPITAL, Walter C. Haviland, M.D., 223 Salisbury Street, Worcester. Salisbury Street electric car from City Hall Square.

WISWALL SANITARIUM, Harry O. Spalding, M.D., 203 Grove Street, Wellesley. Also at Cartwright Road, Needham.

SHERWOOD, J. F. Edgerly, M.D., Lincoln. About two miles from railroad station.

HIGHLAND HALL, Samuel L. Eaton, M.D., 340 Lake Avenue, Newton Highlands.

DR. REEVES' NERVINE, Harriet E. Reeves, M.D., 283 Vinton Street, Melrose Highlands.

RING SANATORIUM AND HOSPITAL, INC., Arthur H. Ring, M.D., Arlington Heights. Carriage. Also at Billerica.

PRIVATE HOSPITAL FOR MENTAL DISEASES, Edward Mellus, M.D., 419 Waverley Avenue, Newton. Carriage. Or Commonwealth Avenue car to Grant Avenue.

GLENSIDE, Mabel D. Ordway, M.D., 6 Parley Vale, Jamaica Plain.

KNOLLWOOD, Earle E. Bessey, M.D., 1690 Beacon Street, corner Beacon Street and Waban Avenue, Waban (Boston & Albany).

BELLEVUE SANITARIUM, Mary W. L. Johnson, M.D., 158 Walcott Road, Brookline.

WESTWOOD LODGE, Wm. J. Hammond, M.D., Westwood.

FOR PERSONS ADDICTED TO THE INTEMPERATE USE OF NARCOTICS OR STIMULANTS.

PRIVATE HOSPITAL, Frederick L. Taylor, M.D., 45 Center Street, Roxbury.

WASHINGTON HOME, Hugh Barr Gray, M.D., 41 Waltham Street, Boston.

SMITH HOSPITAL, Marshall E. Smith, M.D., 47 Merwin Street, Springfield.

#### FOR FEEBLE-MINDED.

ELM HILL PRIVATE SCHOOL AND HOME FOR THE FEEBLE-MINDED, George A. Brown, M.D., Barre (Central Massachusetts Branch, Boston & Maine).

STANDISH MANOR, Miss Alice M. Myers, Halifax.

HILLBROW SCHOOL, Franklin H. Perkins, M.D., 16 Summit Street, Newton.

HIGHLAND SCHOOL, Miss Nellie A. Hunt, East Main Street, Northborough.

FREER SCHOOL, Miss Cora E. Morse, 31 Park Circle, Arlington Heights.

#### FOR EPILEPTICS.

WOODLAWN SANITARIUM, Dora W. Faxon, M.D., 500 Crafts Street, West Newton.







